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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

ENVIRONMENTAL SERVICES DIVISION REGION 7 25 FUNSTON ROAD KANSAS CITY, KANSAS 66115 APR 18 1995

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<u>MEMORANDUM</u>

SUBJECT: Transmittal of Inspection Report - RCRA

FROM:

Joe Arello 🥕

Chief, Compliance Assurance Section, EMCM/COMP

TO:

Lynn Slugantz

Acting Chief, IRMS/PSDR/ART

This memorandum transmits the following RCRA compliance monitoring inspection report performed by the Compliance Assurance Section, Environmental Monitoring and Compliance Branch, Environmental Services Division. This inspection was conducted as part of a level D multimedia inspection.

<u>Facility</u>	EPA ID Number	Activity No		of Non-Compliance
Doe Run Company, Herculaneum, Missouri	MOD006266373	AKF16	- - -	Waste determinations LDR notifications Container labels Container dating Open Container

- Manifests

- Contingency plan
- Personnel training
- Contingency plan

Potential Areas

Waste pileGeneratornotification

Attachments

ty. MO

40199136





REPORT OF RCRA COMPLIANCE INSPECTION

ΑT

THE DOE RUN COMPANY - HERCULANEUM SMELTER

HERCULANEUM, MO

EPA I.D. NUMBER: MOD006266373

ON

JANUARY 31 - FEBRUARY 2, 1995

BY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VII
Environmental Services Division

INTRODUCTION

At the request of the Waste Management Division a RCRA Compliance Evaluation Inspection was conducted at the Doe Run Company - Herculaneum Smelter, Herculaneum, MO, as part of a consolidated level D multimedia inspection. The RCRA portion of the inspection was conducted under the authority of Section 3007 of the Resource Conservation and Recovery Act (RCRA), as amended. In addition to RCRA, the multimedia inspection consisted of full compliance evaluations under the CWA/NPDES, SDWA/UIC, CAA, and EPCRA. The SDWA/UIC inspection was conducted jointly with the Missouri Department of Natural Resources (MDNR), Division of Geological and Land Survey (DGLS). MDNR also participated in the RCRA portion of the inspection. Copies of the above inspection reports may be requested from the program representatives or Sampling was conducted by EPA as part of the CWA/NPDES inspection. This narrative report and attachments present the significant findings and observations of the RCRA inspection.

PARTICIPANTS

The Doe Run Company - Herculaneum Smelter:
Daniel L. Vornberg, Director of Environmental Affairs
James Lanzafame, Environmental Manager
Facility Address: 881 Main Street
Herculaneum, MO 64048
(314) 479-5311

U.S. Environmental Protection Agency (EPA):
Kristan C. Goschen, RCRA inspection
Bruce Littell, CWA/NPDES inspection
Pete Fulweiler, CAA inspection
Ted Fritz, SDWA/UIC inspection

U.S. Environmental Protection Agency (EPA): James Hirtz, EPCRA inspection

Missouri Department of Natural Resources: Evan Kifer, DGLS, SDWA/UIC inspection James Burris, SERO, RCRA/CAA inspection

MULTIMEDIA COMPLIANCE AND PROGRAM REPRESENTATIVES

Lead Enforcement Contact: Kent Johnson, CNSL

Program Representatives:
RCRA, Dave Doyle
CWA/NPDES, Don Toensing
CAA, Mary Tietjen-Mindrup
EPCRA, Bob Jackson
SDWA/UIC, Gerald Force

INSPECTION PROCEDURES

As noted in the introduction of this report, the RCRA inspection was conducted as part of a larger multimedia inspection. Upon arrival at Doe Run-Herculaneum, the inspectors contacted Mr. James Lanzafame and Mr. Daniel Vornberg. We identified ourselves and presented our credentials. Mr. Lanzafame acted as the official facility representative during the inspection. We arranged for an inbriefing and I explained that we were at Doe Run-Herculaneum to conduct a multimedia inspection. Each inspector explained the authority, purpose, and scope of their respective inspection. I explained that the RCRA inspection would consist of a discussion of facility operations, waste generation and waste management practices, a review of the required hazardous waste management plans, programs and records, and a visual inspection of all major hazardous waste generation and management areas. At the conclusion of the inspection I summarized and reviewed my findings and recommendations, as did the other inspectors. I provided Mr. Lanzafame with a copy of the RCRA Inspection Confidentiality Notice (Attachment 1). also provided Mr. Lanzafame with a copy of the Notice of Violation and a receipt for the documents, copies, and samples collected during the inspection, both of which he signed (Attachments 2 and 3, respectively).

FACILITY DESCRIPTION

The Doe Run Company owns and operates an integrated lead mining, milling, smelting, and refining company in eastern Missouri. Company operations include six lead mines (in the Viburnum Trend), four mills, and two smelters. Lead ore, known as galena, is processed in the mills to form lead concentrate. The lead concentrate consists of approximately 80% lead sulfide.

The concentrate is shipped from the mills to the Herculaneum smelter, located in Herculaneum, Missouri. The Herculaneum facility (Attachment 9) operates 24-hours per day, 350 days per year. The smelting operations occupy approximately 28 acres of a 620 acre site which is bordered on the east by the Mississippi river and on the west by residential areas. Currently the facility employees approximately 325 people and produced approximately 194,000 tons of lead in 1994. The following major process operations occur at the Herculaneum facility.

• Sintering Operations

The Herculaneum facility receives approximately 7-8 shipments of lead ore concentrate per day by rail car with smaller amounts being received by truck. Upon arrival at the site the concentrate is dumped into a large feed hopper. concentrate moves from the feed hopper through several steps where materials from 23 different bins are mixed with the concentrate. The main purpose of this mixing is to reduced the concentration of lead sulfide in the concentrate from approximately 80% to approximately 50%. It is also to form the proper sinter feed mix. The sintering machine is a large natural gas fired furnace-like device. The natural gas is used to start a special coal/coke ignition charge in the sinter mix. ignited, the sinter mix burns via exothermic reaction. the sintering process, excess sulfur is driven off and lead oxide clinker is formed. The clinker is then crushed, mixed with coke, and fed into one of three blast furnaces where it is reduced to metallic lead. It should be noted that only two blast furnaces are operated at any one time. This type of rotational operation allows repairs and maintenance to be performed on the blast furnace that is not in operation. Metallic lead, known as bullion, drains out of the blast furnace and is transferred to the dross furnace. The bullion is now ready to start through the refining process.

• Refining Operations

The refining process starts with the molten lead bullion being processed in the dross furnace. The bullion is then poured into one or more of 13 large kettles. Various metallurgical processes are used to remove zinc, copper, arsenides, and silver. Dross, skimmings of lighter metals and impurities, floats to the surface and is manually removed by a large crane operated dipper. Most of the dross is recycled through the sinter machine. A specialized vacuum condensation process is used on some of the kettles. The vacuum causes the remaining small quantities of zinc to condense out, thus providing a very high purity lead product. Silver and copper matte is removed during the refining process along with nickel "speiss". Speiss is a metallic arsenide and is not recycled. After the bullion has reached its specified level of purity, or has been alloyed to the proper

specifications, it is pumped through heated casting lines to the casting areas. Two casting processes are used. Bullion may be form casted into 60 pound pigs, % and 1 ton ingots, or it may be continuously cast into sheets that are approximately one inch thick. These sheets are then processed through a rolling mill which reduces their thickness from one inch to approximately .025 inches. The .025" sheet is then cut into strips and then wound into coils.

• Sulfuric Acid Production

Doe Run-Herculaneum produces sulfuric acid from the waste sulfur containing gases produced by the sintering operation. These gases are routed via ductwork and fans to the acid plant. The gases are converted into sulfuric acid through the use of a MONSANTO acid plant. This plant was installed in 1970 and produces approximately 50-60,000 tons of sulfuric acid per year. The acid is stored in on-site tanks until it can be loaded onto trucks, rail cars, or barges for off-site transport. Mr. Vornberg said that the manufacturing of sulfuric acid actually represents a net loss to the company. He said that the primary purpose of the acid plant is to process the sulfur containing air pollutants into a manageable form.

FINDINGS AND OBSERVATIONS

1. Waste Generation and Management

During the inspection I reviewed the facility's past and present waste generation and management activities. The facility has two major categories of waste management activities: One for on-site generated wastes; and one for the receipt of off-site generated wastes.

a. Major on-site generated wastes:

- Spent Safety-Kleen parts washer solvent is generated from the use of four parts washers. These parts washers are located in the Yard Garage, the Main Maintenance Shop (2 parts washers), and the Roundhouse Garage. The facility classifies this waste as D001, D006, D008, D018, D039, and D040. Based on review of the 1994 manifests (Attachment 6), approximately 790 lbs/mo of this waste is generated. This waste is recycled by Safety-Kleen, St. Charles, MO.
- Spent grease is generated during equipment maintenance throughout the facility. It is classified as D019 hazardous waste by the facility. Attachments 4 and 5 contain the MSDS sheet and Safety-Kleen waste analysis information on this grease. Based on a review of the 1994 manifests, approximately 1765 lbs/mo of waste is generated. This waste is handled by Safety-Kleen, Smithfield, KY, and is ultimately burned as fuel.

- Spent refractory bricks are generated when the blast furnaces are rebuilt. During the month of April 1994, approximately 41,580 lbs. of this material was generated and shipped off-site as D006/D008 hazardous waste. In 1993, approximately 449.65 tons of hazardous waste brick were generated. The material was landfilled by the Peoria disposal Company, Peoria, IL (Attachment 6-19, 6-20). At the time of the inspection the facility had a small pile of these bricks stored on a concrete pad (photo 3). Since the blast furnaces are always being repaired or rebuilt, it would appear that this waste stream would be routinely generated.
- Used oil is generated from maintenance activities at the three maintenance shops. Based on a review of the 1994 manifests, approximately 2600 lbs/mo of used oil is generated. The used oil is stored on-site in 55-gallon drums (photo 1) until Safety-Kleen, St. Charles, MO, picks it up for recycling.
- Used "rolling mill oil" is generated by the rolling mill located in the strip mill building. The rolling mill oil consists of a mixture of 5% Melkool 1204 and water. Melkool oil (Attachment 7) is a water emulsifiable oil which is used to cool and lubricate the lead sheets as they are being rolled thinner and thinner. Mr. Lanzafame said that the spent mixture is currently used for dust suppression on the concreted areas of the facility. He also said that all of the concreted areas drain into the facility's wastewater treatment system.
- Primary smelter slag is generated from the blast furnaces. This material is currently exempt from the definition of hazardous waste per 40 CFR 261.4(b)(7). The slag is landfilled on-site per an MDNR solid waste management permit.
- Nickel speiss is generated during the refining process. It contains approximately 41.9% lead, 0.02% cadmium, 3.19% arsenic, and 5.79% nickel. During 1993 approximately 16.5 tons (Attachment 10-2) of this material was disposed of as D004/D008 hazardous waste.
- Bag house dust, wastewater treatment sludge, and street sweeper dust are all fed back into the feed stream of the sinter plant as raw material feedstock substitutes.

b. Major off-site generated wastes:

• Doe Run-Herculaneum receives secondary smelter slag from the Doe Run-Buick facility, located in Boss, MO (Attachment 12). This is the only waste material currently received from an off-site source. Doe Run-Herculaneum receives approximately 50 tons per day by truck (Attachment 13). The trucks dump the material directly into a grizzly at the beginning of the sinter plant feed line. The grizzly crushes the slag into small pieces

which fall onto a conveyer belt that leads to a storage hopper. The storage hopper acts as a flow buffer as slag is fed to the sinter plant. According to Mr. Lanzafame, all secondary smelter slag is processed within 24 hours of arrival and without any interim storage. The slag is currently being used as a raw material feedstock substitute for silica sand. The substitution of the slag for sand began in early 1994 on a trial basis. According to Mr. Lanzafame, the substitution worked very well and Doe Run-Herculaneum is currently receiving the entire slag output of the Buick smelter (approximately 50 tons/day). The waste slag is manifested from Boss as D008 hazardous waste and is managed under Missouri Resource Recovery Certification number RR0419 (Attachment 8). The resource recovery certification also covers several potential recyclable materials which are not currently being recycled by Doe Run-Herculaneum. Only the secondary smelter slag is being recycled at this time. I reviewed the generation process of the secondary smelter slag at the Doe Run-Buick facility, its transport to Doe Run-Herculaneum, and its subsequent use by Doe Run-Herculaneum. Based on my review, it appears that the secondary smelter slag may not meet the definition of a solid waste per 40 CFR 261.(e)(1)(iii), as long as it can meet the definition of an effective raw material feedstock substitute.

2. RCRA Status

Based on a review of the facility's manifest, quarterly manifest reports (Attachment 6-3, 6-15, & 6-44), waste generation and management practices, the facility would be classified as a Missouri large quantity generator, e.g., generate or accumulate greater than 1000 kg/mo. Doe Run-Herculaneum routinely generates approximately 2550 lbs/mo (1161 kg) of hazardous waste. As noted earlier in this report, large shipments of hazardous refractory brick have been made in the last two years. Attachment 10 contains additional information, obtained by Mr. Jim Hirtz, which identify manifest numbers, quantities of waste shipped, and waste analysis data. Attachment 10-7 also contains information which identifies that Peoria Disposal Company is prepared to accept 400 cubic yards of spent refractory brick per year. I inspected the facility as a large quantity generator based on the above determination.

3. Apparent Regulatory Violations and Concerns

I discussed the regulatory status of the facility with Mr. Lanzafame. He said that he had been operating the facility as a small quantity generator and was complying with the small quantity generator regulations. I asked him if any of the facility documents would be written to comply with the additional regulatory requirements for large quantity generators. He said that they were not written to meet the large quantity generator standards. Neither Mr. Lanzafame nor Mr. Vornberg explained why

Doe Run-Herculaneum did not consider the large shipments of refractory brick in determining their generator status. During the inspection I observed the following regulatory violations:

a. NOV #1 - Failure to maintain LDR notifications

I reviewed the majority of the hazardous waste manifests and associated LDR notifications generated for the past 3 years (≈90 total). LDR notifications were missing for all of the manifest shipments of waste grease (D019) and for the April, 1994 shipment of refractory brick. LDR notifications are required to be maintained on-site for a period of five years, per 40 CFR 268.7(a)(7).

b. NOV #2 - Failure to maintain manifest records, and

NOV #3 - Failure to use consecutive manifest numbers

During my review of the manifests, I did not observe the consistent use of consecutive manifest document numbers, as required by 10 CSR 25-5.262(2)(B),2,A. I observed gaps or missing manifests for the following manifest numbers: 2d quarter, 1993, between #0961 and #0965; 3d quarter, 1993, no #0971; 4th quarter, 1993, a change in numbering system to #8001-6, #80008-80019, #09001, then back to #00981-00990; 1st quarter, 1994, no #00995; 2d quarter, 1994, no manifest for the 4/4/94 shipment of refractory bricks (Attachment 6-19, 6-20); and 3d quarter, 1994, no #10007. Manifest records are required to be maintained onsite for a period of 3 years, per 40 CFR 262.40(a).

C. NOV #4 - Containers not labeled as "Hazardous Waste"

During the inspection of the D019 waste grease storage container (photos 1 & 2), I observed that the container was not labeled with the words "Hazardous Waste", as required by 40 CFR 262.34(a)(3).

d. NOV #5 - Date of accumulation not marked on containers ;

During the inspection of the D019 waste grease storage container (photos 1 & 2), I observed that the container did not have an initial date of accumulation marked on it, as required by 40 CFR 262.34(a)(2).

e. NOV #6 - Open containers

I also observed that the container of D019 grease was not closed (photos 1 & 2), as required by 40 CFR 262.34(a)(1.)

f. NOV #7 - Large quantity generator requirements

1. Failure to have a contingency plan

I asked Mr. Lanzafame if Doe Run-Herculaneum had a contingency plan which met the requirements for large quantity generators specified at 40 CFR 265.51-54. Mr. Lanzafame said that they did have an extensive contingency plan but that it had not been designed to meet the specific RCRA requirements for large quantity generators.

2. NOV #3 - Failure to have a personnel training program

I asked Mr. Lanzafame if Doe Run-Herculaneum conducted personnel training in accordance with 40 CFR 265.16. He said that Doe Run-Herculaneum conducts extensive personnel training but that it was not designed to meet the specific requirements for large quantity generators.

g. Failure to make adequate waste determinations

The facility failed to make a waste determination, per 40 CFR 262.11, on a mixture of spent rolling mill oil and water. Mr. Lanzafame said that the mixture contains approximately 5% oil. He said that he thought he had conversations with either MDNR or EPA personnel that indicated that mixtures of less than 10% oil were not considered used oil. I advised him that I was unaware of any such specific percentage mix concentrations being identified in the regulations or guidance. In researching this question, Ms. Edyie Pynes, OSWER, EPA headquarters, said that anytime an oil is intentionally mixed with another product, such as water, the mixture will meet the definition of used oil when spent. At the time of the inspection I observed approximately 35, 55-gallon drums (photo 4) of this mixture on the south side of the rolling mill building. Mr. Lanzafame did not identify how long the drums had been stored in this location. Doe Run-3 Herculaneum is currently using the used rolling mill oil for dust suppression on their concrete surfaced roads. This violation was not identified on the NOV at the time of the inspection. should be noted that if this waste is a hazardous waste, then the potential exists for unpermitted storage over 90-days and unpermitted disposal.

h. Operation of a Waste Pile

I observed a pile of refractory bricks stored on a concrete pad located southwest of the main refining area (photo 3). The bricks had been removed from one of the blast furnaces during maintenance. They are the same type of bricks which were previously D006/D008 hazardous waste and disposed of by the

Peoria Disposal Company, Peoria, IL. According to Mr. Lanzafame, the old refractory bricks will no longer be disposed of. He said that Doe Run-Herculaneum will crush the bricks and recycle them to reclaim the lead that sticks to the bricks while they are in the furnaces. At the time of the inspection I did not have a chance to fully evaluate this pile of bricks or their end use. Upon reviewing the management practices of the bricks, it appears that the bricks would meet the definition of a spent material. Spent material which are reclaimed meet the definition of solid wastes, and in this case, are D006/D008 hazardous waste. bricks were stored in a pile on a concrete pad that was outside and not protected from wind or rain. Storage of hazardous waste in a pile as described above is regulated under 40 CFR 261.6(b)&(c), referencing 40 CFR 265.250. These regulations require that the pile be: 1. Protected from wind and rain; 2. Have a specialized containment system if leachate is generated. and is hazardous (this was unknown at the time of the inspection); and 3. All new waste piles, e.g. post January 29,1992 waste piles, must comply with the specialized design and operation requirements listed in 40 CFR 265.254 before wastes are placed in the pile. The waste pile did not comply with the above noted requirements. Mr. Lanzafame also did not specify the date in which the bricks were placed in the pile. If the bricks were stored over 90-days in the waste pile, Doe Run-Herculaneum would require a RCRA storage permit. These violations were not identified on the NOV at the time of the inspection.

i. Failure to Up-date Generator Registration

Missouri requires generators to up-date their notification of hazardous waste activity any time their is a change in generator status, per 10 CSR 25-5.262(2)(A),4. This violation was not identified on the NOV at the time of the inspection.

j. Oily Water Wastes

In reviewing my notes upon return to the office, I noted that Doe Run-Herculaneum had generated approximately 12,125 gallons, 28,000 gallons, and 11,975 gallons during the first, third, and fourth quarters of 1993, respectively. This waste was identified as oily water, D098 (a Missouri waste code), on the Missouri Generator's Hazardous Waste Summary report documents. Mr. Lanzafame did not comment on the generation, waste analysis, management, or ultimate disposal of this waste stream during the inspection. It is also not known if this waste stream is the same as the rolling mill oil/water waste stream. Due to other inspection activities, I was unable to make copies of the above documents.

k. Nickel Speiss Reclamation

During 1993, approximately 16.5 tons of nickel speiss were disposed of. According to Mr. Lanzafame the facility plans on selling the nickel speiss generated during 1994, and speiss generated in the future, to a secondary metals reclaimer. He mentioned one such facility in Canada. Mr. Lanzafame did not identify how much nickel speiss was generated in 1994. However, during the inspection I observed, from a distance, what appeared to be between 50 and 100 drums labeled nickel speiss. drums were located to the east and across from the main maintenance shop. I believe this material meets the definition of a characteristic by-product as it fails the TCLP for arsenic (D004) and lead (D008). The facility must show that at leas 75% of the speiss is reclaimed per calendar year, otherwise the speiss is being accumulated speculatively. Mr. Lanzafame did not provide any documentation identifying the amount of speiss at the beginning or end of 1994, or at the beginning of 1995. If Doe Run-Herculaneum can not provide information that shows that 75% of the speiss was reclaimed during 1994, then the speiss would have been accumulated speculatively and is subject to the hazardous waste storage rules.

1. Waste Respirator Cartridges

In discussing the inspection with Mr. Jim Hirtz upon return to the office, Mr. Hirtz stated that he observed a pile of waste respirator cartridges at the facility. He said the pile was conical in shape, approximately 3 feet high and approximately 4 feet wide. He said that Mr. Lanzafame said that the used cartridges are recycled through the sinter plant. If a waste determination shows that these cartridges are hazardous wastes, then the potential exists for sham recycling of the material and operation of another unpermitted waste pile.

- 4. I explained to Mr. Lanzafame that Doe Run-Herculaneum is responsible for accurately determining their generator status and for complying with all applicable regulations.
- 5. Pollution prevention and waste minimization information was provided to the facility.
- 6. Attachment 11 contains the applicable copies of the EPA generator inspection checklist.

Kristan C. Goschen

Multimedia Inspection Coordinator

Date: 4/12/95

Activity Number: AKF16

Attachments:

- Confidentiality Notice (3 pages)
- 2. Notice of Violation (2 pages)
- 3. Document Receipt (1 page)
- 4. Grease MSDS Sheets (5 pages)
- 5. Safety-Kleen Grease Waste Analysis (4 pages)
- 6. Manifests and Quarterly Manifest Summary Reports (65 pages)
- Rolling Mill Oil MSDS (3 pages)
- 8. Resource Recovery Permit (53 pages)
- 9. Map (1 page)
- 10. Information from Jim Hirtz (11 pages)
- 11. EPA Inspection Checklist (10 pages)
- 12. Boss Manifest (1 page) -
- 13. Daily Slag Process Record (1 page)
- 14. Photos (4)







Poe Run - Herculaneum, MD 1/31-2/2 '95 AKF16 Open container of Do19 used grease

K5

Doe Run - Hercalaneum MO
1/31-2/2 95

AKF/L

Used oil of Grease draws KG

Doe Run-Herculaneum, Mo 1/31-2/2 '95 AKP16 Waste rolling mill oil Poe Run-Herculaneum. MO
1/31-2/2 45

AKP 16

Pile of waste refractory brick

U.S.EPA INSPECTION CONFIDENTIALITY NOTICE (cont.)

	_
Facility Name	
The foe Run Confan	╛
Facility Address	
Hercukaneum NO	<u>_</u>
If you are <u>not</u> authorized by your company and there is no one on the premise of the facility who is authorized to make confidentiality claims, this notice will be sent by certified mail, along with the receipt for documents, samples and other materials, to the authorized representative designated below.	2
Authorized Representative	
Title	
Address	
If the authorized representative listed above requests confidential treatment they must return a statement specifying any information which should receive confidential treatment and written comments in support of the claim based on factors listed in 40 CFR 2.204(e)(4). This statement from the authorized representative should be mailed by registered, return-receipt requested mail within fifteen (15) calendar days or receipt of the Confidentiality Notice to the Inspector at the address listed on page 1.	
ailure to submit confidentiality claims and comments within the fifteen (15) ay period will be deemed a waiver of the claim pursuant to 40 CFR .205(d)(1).	
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o be completed by the facility official receiving this Notice:	
I have received and read this Notice.	
Facility Representative Provided Notice (print) Title	7
JAMES M. LANZA PAME, ENVIRONMENTAL MANAGER	
Fami M. danjofane 2/2/95.	
ev:1/20/93) // //	_

REQUEST FOR CONFIDENTIAL TREATMENT
Facility Name The One Run Company Facility Address Herculaneum MU
Information for which confidential treatment is requested:
Acknowledgement of Claimant
The undersigned requests that confidential treatment of the information described be provided in accordance with provisions of the Freedom of Information Act (FOIA), 5 U.S.C. 552; EPA regulations issued thereunder, 40 CFR Part 2; and the applicable statute under which the information is obtained. The undersigned further acknowledges that they are authorized to make such claims for their firm.
The undersigned also certifies that each claimed item described above meets <u>all</u> of the following criteria (40 CFR 2.208):
 Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. The information is not, and has not been, reasonably obtained without

- bodies) by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).
- 3. The information is not publicly available elsewhere.
- 4. Disclosure of the information would cause substantial harm to your company's competitive position.

In addition, within 15 days of your claim, you must provide written comments in support of the claim, based on factors listed in 40 CFR 2.204(e)(4). Failure to submit comments by this deadline will be deemed a waiver of the claim pursuant to 40 CFR 2.205(d)(1).

Authorized Representative (print)	\$ignature/Date
! 	
No confidential treatment claimed during the	e inspection: (Facility Representative's initials)
Inspector (print)	Signature/Date
KRIS GOSHEN	Lute 6 6 1/31/95
U.S.EPA, Region VII, ENSV Division, 25 Funst	on Road, Kansas City, K\$ 66115
Pay+1/20/071	

of the Resource Conservation and Recovery Act (RCRA)

Address:	BBI Main St Herrylaneum MU			<u> </u>
EPA ID Number:	MCD006788323	Date:	2/1/95	
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3) 10 CSR 25-5.262(2)(8) 4) 40(F2 462.34 (a)(3)	Finduce to use consecution of finduce to label con	cutive manifest	document #3 ()	1592-1593)
6) 40 (152 265,173 (a)	Failure to date con			
7)				
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 earliest possible time trative Civil Complain 	ed to call your attention to . This notice does not cons it) issued pursuant to Section I violations which may be id	stitute a complon 3008 of RCRA	iance order (Adm and may not be	ninis- a
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This Notice prepared b	y Kuti Cont	Da	ite: 2/2/94	5
The undersigned person Notice and has read sa	hereby acknowledges that he	/she has receiv	red a copy of th	is
	Printed Name: James /	m laurat	/ .	lac
		M. Lansafa		/25
		- Tom	a d ka	
	Title: <u>Envuon</u>	menin 11 a	nages	

13 LLUCIMENT -

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RECEIPT FOR DOCUMENTS AND SAMPLES

Facility Name
The Doe Run Company
Facility Address , 1 f
Hercubneum MO
Documents Collected? YES(list below) NO
Samples Collected? YES (list below) NO Split Samples: YES NO
Documents/Samples were: 1)Received no charge (2)Borrowed 3)Purchased
Amount Paid: \$ Method: Cash Voucher To Be Billed
The documents and samples described below were collected in connection with the administration and enforcement of the applicable statute under which the information is obtained.
Receipt for the document(s) and/or sample(s) described below is hereby acknowledged:
1) Manifecto + (It Reports (58 pages)
2) MSDS (B.Dogies)
3) S-K ht. do Analysis (4 pages)
1) Map (1 page) 5) Resource Coursey Pornt (53pages)
2 23000 0000000000000000000000000000000
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Facility Representative (print) Signature/Date
JAMES LANZAPAME Jame M. Hangafame 2/2/95
Inspector (print) Signature/Date
KRIS 60SCHEN Kontant 1/31/95
U.S.EPA, Region VII, ENSV Division, 25 funston Road, Kansas City, KS 66115
(-a)(1/30/07)

D

Main Grease

Mobil

641290-00 PAGE 1 OF 5

MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED: 03/06/91

MOBILUX EP 0

SUPPLIER:

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:

EXTREME PRESSURE GREASE

HEALTH EMERGENCY TELEPHONE:

(609) 737-4411

TRANSPORT EMERGENCY TELEPHONE:

· (800) 424-9300 (CHEMTREC)

PRODUCT TECHNICAL INFORMATION:

(800) 662-4525

APPEARANCE: BROWN GREASE

ODOR: MILD

VISCOSITY AT 100 F, SUS: 900.0 AT 40 C, CS: 170.0 VISCOSITY AT 210 F, SUS: 75.0 AT 100 C, CS: 14.5

FLASH POINT F(C): > 400(204) (ESTIMATED (OIL COC))

MELTING POINT F(C): NA

POUR POINT F(C): NA

BOILING POINT F(C): > 600(316)

RELATIVE DENSITY, 15/4 C: 1.089

SOLUBILITY IN WATER: NEGLIGIBLE

VAPOR PRESSURE-MM HG 20C: < .1

NOTE: MOST PHYSICAL PROPERTIES FOR OIL COMPONENT.

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

NONE

SEE SECTIONS XII AND XIII FOR REGULATORY AND FURTHER COMPOSITIONAL DATA.

SOURCES: A=ACGIH-TLV, A*=SUGGESTED-TLV, M=MOBIL, O=OSHA, S=SUPPLIER NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---EFFECTS OF OVEREXPOSURE: SLIGHT EYE IRRITATION. SLIGHT SKIN IRRITATION.

*************** V. EMERGENCY AND FIRST AID PROCEDURES ********** --- FOR PRIMARY ROUTES OF ENTRY ---

EYE CONTACT: FLUSH WITH WATER.

SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER. HIGH PRESSURE ACCIDENTAL INJECTION THROUGH THE SKIN REQUIRES IMMEDIATE MEDICAL ATTENTION FOR POSSIBLE INCISION, IRRIGATION AND/OR DEBRIDEMENT.

INHALATION: NOT EXPECTED TO BE A PROBLEM.

INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2 LITER (PINT) INGESTED. IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

ቀቀቀቀቀቀቀቀቀቀቀቀቀቀቀቀ VI. FIRE AND EXPLOSION HAZARD DATA ************* FLASH POINT F(C): > 400(204) (ESTIMATED (OIL COC))

FLAMMABLE LIMITS. LEL: .6 UEL: 7.0 EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG. SPECIAL FIRE FIGHTING PROCEDURES: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE

USED TO FLUSH SPILLS AWAY FROM EXPOSURE. FOR FIRES IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER SUPPLY.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE. NFPA HAZARD ID: HEALTH: O, FLAMMABILITY: 1, REACTIVITY: O

STABILITY (THERMAL, LIGHT, ETC.): STABLE CONDITIONS TO AVOID: EXTREME HEAT. INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS HAZARDOUS DECOMPOSITION PRODUCTS: METAL OXIDES. CARBON MONOXIDE. HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

********************** VIII. SPILL OR LEAK PROCEDURE ************* ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE NUMBER (800) 424-8802. IN CASE OF ACCIDENT OR ROAD SPILL NOTIFY CHEMTREC (800) 424-9300.

- PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.
- WASTE MANAGEMENT: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED, CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RESOURCE CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY OR CAN BE DISPOSED OF AT ANY GOVERNMENT APPROVED WASTE DISPOSAL FACILITY. USE OF THESE METHODS IS SUBJECT TO USER COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS AND CONSIDERATION OF PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

*************** IX. SPECIAL PROTECTION INFORMATION ************ EYE PROTECTION: NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BE EMPLOYED.

SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

******************************* NO SPECIAL PRECAUTIONS REQUIRED.



- ORAL TOXICITY (RATS): SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.
- DERMAL TOXICITY (RABBITS): SLIGHTLY TOXIC (ESTIMATED) --- BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.
- INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF THIS PRODUCT.
- EYE IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION. EYE IRRITATION SCORES: 4.3 AT 1 HOUR, 1.7 AT 24 HOURS, 0.7 AT 48 HOURS, 0 AT 72 HOURS---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.
- SKIN IRRITATION (RABBITS): MAY CAUSE SLIGHT IRRITATION ON PROLONGED OR REPEATED CONTACT. ---BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.
 - ---GENETIC TOXICOLOGY (SUMMARY) ---
- ***NEGATIVE AMES TEST (ESTIMATED).
 - --- SUBCHRONIC TOXICOLOGY (SUMMARY)---
- SEVERELY SOLVENT REFINED AND SEVERELY HYDROTREATED MINERAL BASE OILS HAVE BEEN TESTED AT MOBIL ENVIRONMENTAL AND HEALTH SCIENCES LABORATORY BY DERMAL APPLICATION TO RATS 5 DAYS/WEEK FOR 90 DAYS AT DOSES SIGNIFICANTLY HIGHER THAN THOSE EXPECTED DURING NORMAL INDUSTRIAL EXPOSURE. EXTENSIVE EVALUATIONS INCLUDING MICROSCOPIC EXAMINATION OF INTERNAL ORGANS AND CLINICAL CHEMISTRY OF BODY FLUIDS, SHOWED NO ADVERSE EFFECTS.
 - --- CHRONIC TOXICOLOGY (SUMMARY)---
- THE BASE OILS IN THIS PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR SEVERELY HYDROTREATED. CHRONIC MOUSE SKIN PAINTING STUDIES OF SIMILAR OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS.

DOT:

SHIPPING NAME: NOT APPLICABLE HAZARD CLASS: NOT APPLICABLE

US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 29 CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.

RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR OPINION, IS NOT SPECIFICALLY LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR, PART 261D); DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT FORMULATED WITH THE CONTAMINANTS LISTED IN THE TOXICITY CHARACTERISTIC (TC) RULE AS DETERMINED BY THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP). HOWEVER, USED PRODUCT MAY BE REGULATED.

U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III: THIS PRODUCT CONTAINS NO "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (302) REPORTABLE HAZARD CATEGORIES: NONE

THIS PRODUCT CONTAINS THE FOLLOWING SARA (313) TOXIC RELEASE CHEMICALS:

ZINC RESINATE
PHOSPHORODITHIOIC ACID, 0,
0-BIS(ISO-BU AND ISO-PR AND PENTYL)
ESTERS, ZINC SALTS.

9010-69-9 1% 101747-77-7 1.28%

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME

ZINC RESINATE

ZINC (ELEMENTAL ANALYSIS)

CHART CITATIONS

9010-69-9

9, 14

7440-66-6

15

CHLORINE (ELEMENTAL ANALYSIS)

7782-50-5

15

(.60%)

--- KEY TO LIST CITATIONS ---

1 = OSHA Z, 2 = ACGIH, 3 = IARC, 4 = NTP, 5 = NCI, 6 = EPA CARC, 7 = NFPA 49, 8 = NFPA 325M, 9 = DOT HMT, 10 = CA RTK, 11 = IL RTK, 12 = MA RTK, 13 = MN RTK, 14 = NJ RTK, 15 = MI 293,

16 = FL RTK, 17 = PA RTK, 18 = CA P65.

--- NTP, IARC, AND OSHA INCLUDE CARCINOGENIC LISTINGS ---

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.



**************************************	NTS	ù ù ù À À À À À	*****
INGREDIENT DESCRIPTION	!	<>	
CONTAINS TWO OR MORE OF THE FOLLOWING	>	90.00	
BASE OILS:			
DISTILLATES (PETROLEUM), HYDROTREATED			64742-52-5
HEAVY NAPHTHENIC			
DISTILLATES (PETROLEUM), SOLVENT-			64741-96-4
REFINED HEAVY NAPHTHENIC			
RESIDUAL OILS (PETROLEUM),			64742-62-7
SOLVENT-DEWAXED			•
LUBRICATING OILS (PETROLEUM), C>25			72623-83-7
HYDROTREATED BRIGHT STOCK-BASED			
DISTILLATES (PETROLEUM), HYDROTREATED			64742-54-7
HEAVY PARAFFINIC			
DISTILLATES (PETROLEUM), SOLVENT-			64742-65-0
DEWAXED HEAVY PARAFFINIC			
RESIDUAL OILS (PETROLEUM),			64742-01-4
SOLVENT-REFINED			
OCTADECANOIC ACID, 12-HYDROXY-,	<	3.00	7620-77-1
MONOLITHIUM SALT			
PARAFFIN WAXES AND HYDROCARBON WAXES	<	2:00	63449-39-8
CHLORINATED			
FATTY ACIDS, C16-22, LITHIUM SALTS	<	2.00	68783-36-8
PHOSPHORODITHOIC ACID, 0,0-DI-C1-14		1.28	68649-42-3
ALKYL ESTERS, ZINC SALTS			
RESIN ACIDS AND ROSIN ACIDS,		1.01	9010-69-9
ZINC SALTS			

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

PREPARED BY: MOBIL OIL CORPORATION

ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT, PRINCETON, NJ FOR FURTHER INFORMATION, CONTACT:

MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL 3225 GALLOWS ROAD, FAIRFAX, VA 22037 (800) 227-0707 X3265

PROJECT: PREQUALIFICATION BRANCH/TERRITURY: 516003 ST LOUIS

ACCEPT

OIL SERVICES FUEL

TOE RUN

* * REPRINT * *

GENERATOR SURVEY

ACCEPT

CONTROL #: 0000167545-8 _

COMPLETED: 02/04/93

REVISED: 02/09/93

LAB #: 0000060672-8 SURVEY #: 0000312095

FEDERAL EPA ID: MODO06266373 STATE EPA ID: 001178

DOE RUN CO 881 MAIN ST HERCULANEUM

CUSTOMER INFORMATION: 5160-03-7072

MO 63048

ATTN: GARY L WALKER

BRANCH: 516003 - ST LOUIS

GENERATOR: DOE RUN

NATURE OF BUSINESS: LEAD PRODUCT FACILITY ADDRESS: FOR MANIFEST S.I.C. LEAD PRODUCTS NO: BILLING:

881 MAIN ST HERCULANEUM MO 63048

SENERAL DESCRIPTION: OIL PROCESS DESCRIPTION: MAINT

GENERATION AMOUNT: 300 GALLONS PER QUARTER

AMOUNT ON HAND: IN DRUMS 13 SHIPPING FREQUENCY: MTH

IN EITHER DRUMS OR BULK COLOR: BLK PCT SOLIDS NOT SAMPLED:

4-10 PH RANGE: VISCOSITY: LAYERS OR PHASES: PHYSICAL STATE: LIQUID LOW ONE

MAX MATERIAL COMPOSITION: CODE TYPICAL VOL%

OIL. PETROLEUM 100.00

ATTACHMENTS: NONE HAZARD CLASS: NONE

NUMBER: NEED ASSISTANCE

PA WASTE DESCRIPTION AND TREATMENT STANDARDS: RCRA HAZARDOUS WASTE:

OTHER EPA WASTE CODES: DO19

IS MATERIAL NOT A WASTE? NO IS THIS WASTE AN USED OIL? YE NOT RORA WASTE SIGNATURE? YES 01/27/1999 STATE WASTE CODES: IS THIS WASTE AN USED OIL? YES IS THIS WASTE EXEMPT? NO

NOT SURE

REGULATED CHEMICAL CODES: NOT SURE

TYPE OF SAMPLE: COMPOSITE # OF DRUMS SAMPLED: P.C. NO: 1 TAKEN BY: SK REP

TITLE: INCUSTRIAL HYGIENIST E: GARY L WALKER 01/27/1993 (314) 933-3112

FIENTS: HIGH VISCOSITY OIL/GREASE

REVISION: 02/09/1993 08:02 CATHY CHILLELI OTHER EPA FR:

TO:0019

ADDED DO19 PER SMF

and the first of the contract of the first first

PROJECT: PREQUALIFICATION PREQUALIFICATION EVALUATION - BRANCH INDUSTRIAL SERVICES PAGE ٠ò١ COMPLETED: 02/04/93 REVISED: 02/09/93 BRANCH/TERRITORY: 516003 ST LOUIS ACCEPT ACCEPT * * REPRINT * * CONTROL #: 0000167545-8 LAB #: 0000060672-8 OIL SERVICES FUEL DOE RUN SURVEY #: 0000312095 OIL CORPORATE REVIEWS: DISPOSITION REVIEWER DATE 02/04/93 POSSIBLE FACILITIES: PRICING CODE: TECHNICAL: ACCEPT CAP PART NUMBER: 82112 ACCEPT 02/04/93 658 REGULATORY: MJK OPERATING: APPROVED FACILITIES: WASTE, NON-PUMPABLE ACCEPT JWH 02/04/93 SAFETY-KLEEN CORP STATE HWY 146 NEW CASTLE KY 40050 FED EPA#: KYD053348108 STATE EPA#: TELEPHONE: 502/845-2453 STATE CODE: **EPA WASTE CODES** APPROVD 0001270 DRUM OR BULK OCCO888 NOT FOR MANIFEST DOT-EPA RO HAZARDOUS WASTE, LIQUID, N.O.S. PROPER SHIPPING DESCRIPTION WAS BASED ON SURVEY INFORMATION RATHER THAN ANALYSIS. 9 NA3082 PG III (DO19)(ERG#31) SEE COMMENTS FOR DETAILS AND NOTICES. COMMENTS: OK FOR NONPUMPABLE FUEL. DO19 PER SURVEY. THIS SERVES AS NOTICE PER, 40CFR264.12(8), THAT THE FACILITY(IES) NOTED ABOVE HAS THE APPROPRIATE PERMITS AND IS WILLING TO RECEIVE THE MATERIAL DESCRIBED. GZONE DEPLETING SUBSTANCE (ODS) WARNING WARNING: CONTAINS 1,1,1-TRICHLOROETHANE (METHYLCHLOROFORM). CARBON TETRACHLORIDE CHLOROTRIFLUOROMETHANE (CFC-13), DICHLORODIFLUOROMETHANE(CFC-12) TETRACHLORODIFLUOROETHANE(CFC-112) DICHLOROTETRAFLUORETHANE (CFC-114). TRICHLOROFLUOROMETHANE (CFC-11), TRICHLOROTRIFLUOROETHANE(CFC-113)

OTHER (NAME MUST BE TYPED) SUBSTANCE WHICH HARMS PUBLIC HEALTH AND ENVIRONMENT BY DESTROYING OZONE IN THE UPPER ATMOSPHERE. HECK ALL THE ABOVE THAT APPLY.

AFFIX THE LABEL WITH SAFETY-KLEEN PARTS NUMBER 81473 ON EACH DRUM CONTAINING THIS WASTE STREAM AND MARK THE LABEL AS SHOWN ON THE PREQUAL.

_ranch/submitter: 516003 RANDY LEMBKE

ACCEPT

OIL SERVICES FUEL

DOE RUN OIL

* * REPRINT * *

ACCEPT

COMPLETED:

CONTROL #: 0167545-8

REVISED: 02/09/93

02/04/93

SURVEY #: 312095

GENERAL ANALYSIS OF TOTAL SAMPLE

COLOR

: DK BROWN

NON-VOLATILE RESIDUE:

97.6 WT% DESCRIPTION: SLUDGE

FLAMMABILITY

FLAMMABILITY

: NO FLASH AT 75 F BY SETAFLASH

PH.

EXTRACT BY METER 5.7

RADIDACTIVITY

: NONE DETECTED

COMMENTS: NO FLASH AT 202F NVR AT 2000=81.2 SLUDGE BULK DEN

FUEL EVALUATION OF TOTAL SAMPLE

HEAT CONTENT: TOTAL CHLORINE 18900 BTU/LB

ASH UPON COMBUSTION: <

1.0 WT% TOTAL SULFUR **S**: 0.2 WT% F : <

TOTAL BROMINE

CL: BR: <

0.4 WT% O. 1 WT%

TOTAL FLUORINE

0.1 WT%

GENERAL COMPOSITION BY:

GENERAL COMPOSITION:

SPECIFIC GRAVITY

VISCOSITY (CENTIPOISE) APPEARANCE TOTAL (VOL%)

BOTTOM SOLID (SETTLED SOLIDS).....

TOTAL

8300 CPS

100.0 100.0

0.0

(WT %)

0.0 0.0 100.0

0.0

VOLATILE ORGANIC COMPOSITION OF SLUDGE BY GAS CHROMATOGRAPHY

SAMPLE PREPARATION METHODS: CS2-EXTRACT, METHANOL-EXTRACT, HEXANE-EXTRACT.

: FID, FID, ECD DETECTION METHODS

COMPOSITION OF:

VOLATILE DRGANICS

CODE CAS NUMBER COMPOUND NAME

(PPM)

1.0

CARBON TETRACHLORIDE (ODS)

(DO19)

CCL4 56-23-5 1.0

IMMARY OF VOLATILE ORGANIC COMPOSITION BY COMPOUND CHEMICAL CLASS PPM:

ALCOHOLS

AROMATIC HYDROCARBONS

ESTERS

CHLORINATED SOLVENTS **ETHERS**

ALIPHATIC HYDROCARBONS

GLYCOL ETHERS

KETONES

INHIBITORS NITROGEN COMPOUNDS

SPECIFIC ORGANIC COMPOSITION

POLYCHLORINATED BIPHENYLS (PCBS): NONE DETECTED <

ADGITIONAL ANALYTICAL INFORMATION: FID: NONE 100.0%

LEVEL: LAB REVIEWERS: SEG CODE: MS MS

RELEASED: 02/04/93

ANALYZED: 02/04/93

TRACKING INFORMATION: SURVEY RECEIVED : 02/01/93 SK TECHNICAL CEN

DATE

SAMPLE RECEIVED 02/01/93

RESAMPLE SHIPPED :

RESAMPLE RECEIVED:

THE ANALYSES CONTAINED HEREIN ARE PERFORMED SOLELY FOR THE PURPOSE OF QUALIFYING THE ANALYZED . MATERIALS FOR ACCEPTANCE BY SAFETY-KLEEN IN ACCORDANCE WITH ITS PERMITS AND PROCESSING CAPABILITY.

MARKETING NOTATIONS: (TYPE "F" OR "E")

(0002) OK CATEGORY 82101 PLUS UNSCHEDULED PER JOHN LUCKS

NO LAND DISPOSAL RESTRICTION OF WASTE CAN BE IDENTIFIED BASED ON S-K ANALYSIS.

ANALYSIS DOES NOT INDICATE THAT MATERIAL IS CALIFORNIA LIST HALOGENATED ORGANIC COMPOUND WASTE.

RQ Hazardous Waste, PROPER D.O.T. SHIPPING NAME Liquid, N.O.S. 9 NA3082 PG III (D019) (ERG #31) #312095

FEDERAL LAW PROHIBITS IMPROPER DISPOSAL IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

> IN EVENT OF EMERGENCY CALL SAFETY-KLEEN CORP. 1-708-888-4660 (24 hours)

GENERATOR INFORMATION: 5-160-03-7072 ACCOUNT NO. NAME Doe Run ADDRESS 881 Main St. **ADDRESS** Herculaneum, MO 63048 CITY/STATE USA EPA IO NO, STATE EPA IO NO. MOD0062553 001176 ACCUMULATION START DATE DOCUMENT NO. TRANSFER **TSDF** START DATE STORAGE DATE CONTAINER NO. USE LABEL BY

(SERVICE DOCUMENT)

(PALLET)

CONT # SK DOT # MANF / GEN

DOC #

EXPIRES

WIGHL

ACTUAL WIGHL

SK 1224 (12/92)

DANIEL L. VORNBERG DIRECTOR OF ENVRIONMENTAL AFFAIRS

April 26, 1994

Mr. Kurt Hilsenbeck MDNR Waste Management Program P.O. Box 176 Jefferson City, MO 65102

Re: Generator's Hazardous Waste Summary Report

Dear Mr. Hilsenbeck:

Enclosed you will find our Generator's Hazardous Waste Summary Report for the first quarter of 1994.

Should you have any questions, please feel free to contact me at (314) 933-3143.

Sincerely,

James M. Lanzafame Environmental Manager

SFTKLEEN

SAFETY KLEEN SOLVENT RECYCLED

1ST QUARTER 1994

	OILY WATER	WASTE OIL	WASTE NAPTHA	WASTE GREASE
WEEK ENDING	GALLONS	GALLONS	GALLONS	POUNDS
	=========	========		=======================================
01/08/94	•		· 56	
01/22/94			55	
01/29/94				1684
02/05/94			. 54	
02/16/94			55	
. .03/12/94		•		842
03/19/94	•	•	89	
03/26/94	•	_		2528

	==========		~=========	222422454ee
TOTALS	• 0	0	309	5054
	GALLONS	GALLONS	GALLONS	POUNDS



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

GENERATOR'S HAZARDOUS WASTE

DOE RUN CO., THE CONTACT: JAMES M. LANZAFAME 881 MAIN STREET HERCULANEUM MO 63048

EPAID=MOD006266373 MOID=001176

		·.			
•	M · O · D · O · O · 6 ·			0.1.1	
	NOTE: THE FEDERAL EPA EXCLUSIVELY TO THE S	LITE WHERE WAST	E IS PRODUC	CED. YOU MUST	RE ASSIGNED THE
	DEPARTMENT IF, THE ADD	RESS FOR THE SITE	OF GENERATIO	ON CHANGES.	
OTE > PLEASE READ INSTRUCTIONS AND EITHER	PRINT OR TYPE				
ECTION A - REPORT IDENTIFICATION	The North Action 1				
1. TYPE OF REPORT (CHECK ONE)	2. FOR THE PERIOD ENDIN			. PAGE	
□ QUARTERLY □ ANNUAL	4-30- (YEAR)	12-31(°		1 of 3	
(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)	1 3-31-9-4 (YEAR)	<u> </u>	(EAR)		
ECTION B - GENERATOR IDENTIFICATION					
IOTE: Any change in either the mailing or site address from	previous reports requi	ires renotificat	ion to the l	Department.	
GENERATOR'S NAME AS SAME AS LABEL					
GENERATOR CONTACT PERSON (NAME) (A SAME AS LABEL	:	TELEPHONE NUM			
	<u>.</u>	(314)	933-314	3	
. MAILING ADDRESS	CITY	_ ,	STATE	ZIP CODE	
881 Main St	Herculaneum		МО	63048	3
PLANT SITE ADDRESS XIX SAME AS LABEL .	CITY		STATE	ZIP CODE	
			<u> </u>	1 .	
NAME OF PARENT FIRM			OFFICE USE	ONLY	
RENCO			·		:
CTION C - STATUS OF WASTE GENERATED (CHECK C	DNE)			. <u></u>	
SHIPPED OFF-SITE Complete part 2, attach REPORTABLE QUA	NATITY NOT GENERATED. Sign	11. AERORTA	RLE OLIANTITY	GENERATED BUT	NOT SHIPPED
. 11 1	namit to the department. (Do not	11 ' 1		. Sign certification	•
contification and transmit to the department. complete Part 2)	<u> </u>	the departm	nent. (Do not co	mpiete Part 2).	·
SECTION D - COMMENTS					1.0
•					
2 12 A Per telephone conversation with Ku	ert Hilsenback (of the West	e Manag	ement Pro	CT910
12.A Per telephone conversation with Ku					gram .
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
12.A Per telephone conversation with Ku	t or Safety-Klee	en invoice	is requ		gram .
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram .
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
on August 4, 1988, neither manifes	t or Safety-Klee	en invoice	is requ		gram
12.A Per telephone conversation with Ku on August 4, 1988, neither manifes quanties of Safety-Kleen solvent l	t or Safety-Klee	en invoice	is requ		gram
12.A Per telephone conversation with Ku on August 4, 1988, neither manifes quanties of Safety-Kleen solvent 1	t or Safety-Klee	en invoice	is requ	ired for	
12.A Per telephone conversation with Ku on August 4, 1988, neither manifes quanties of Safety-Kleen solvent 1 ECTION E-CERTIFICATION STATEMENT certify under penalty of law that I have personally examined	et or Safety-Klee	en invoice g per month	is requ	ired for	I attached
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HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

NERATOR NAME	
he Doe Run Company	
A ID NUMBER 11 - 0 - 0 - 0 - 6 - 2 - 6	·6 ·3 ·7 ·3

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780-1097 (8-91)

MANIFEST SUMMARY REPORT

ONA-HWQ-11



HAZAROOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART !!

AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.						
GENERATOR NAME	•					

The Doe Run Company

M.O.D.O.O.6.2.6.6.3.7.3

MISSOURI I.D. NUMBER

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Safety-K	leen Corporation			IIAS DELIVER				ľ			8 · 1 · 0 ·
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O 780-1097 (8-91)

MANIFEST SUMMARY REPORT

INSTRUCTIONS FOR THE COM-PLETION OF THIS FORM ARE ON REVERSE SIDE.

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

Please print or type (Form designed for use on elite (12-Pitch) typewriter.)

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Waste Management Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3176
HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0039. Expires 9-30-94

	J	UNIFORM HAZARDOUS	1. Generator's US EPA ID	No.	Manifest Docum	ent No.	2. Page	1 Info	mation in the sh	aded areas	
	Π	WASTE MANIFEST	MODO0626	6373 i	0099	}	of	Is re	quired by State L	.aw.	-
7		Generator's Name and Mailing Address DOE	IN CO				A. Miss	our Manifest Docum	ent Number	- A	5
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		HERCULANEUM		40.000		,,	B, G.S.I	(Gen. Site Address	1.30	inch sales	
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П	ľ	. Transporter 2 Company Name	a. US	EPA ID Numbe	r			Transporter's ID		14 M. 45	10
П	L		4					porter's Phone Am		Company of the Compan	<u> </u>
П	ا	Designated Facility Name and Site Address	10. U	IS EPA ID Numb	H				55-WE /		∄≿
П	1	Safety-Kleen Corp.		٠.		-	Ha Earli	Na Phone William			ď
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۱	ł	state regulations. If 1 am a large quantity generator, I certify that I have a pr	roorsm to place to reduce th	: se volume and to:	dolly of waste o	enerated to th	ne dedres	e i have determined:	to be économicali	v Oceaticable and	15
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þ	20	Designated Facility Owner or Operator: Certification of re	celpt and handling of hazar	T	overed by this	menifest exce	ples no	ted in Item 19.	2 7 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V		S
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5-160-03

INSTRUCTIONS FOR THE COM-PLETION OF THIS FORM ARE ON REVERSE SIDE.

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A MISSOURI DEPARTMENT OF NATURAL RESOURCES Division of Environmental Quality

Waste Management Program P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

DEPT, OF NATURAL P 314-634-2431

HAZARDOUS WASTE MANIFEST

Pic	ease print or type (Form designed for use on elite (12-Pitch) typewriter.)					Form Approved. OMB No. 2050-0039, Expires 9-30					
5	UNIFORM HAZARDOUS	1. Generator's US EPA ID No.	Manifest Docu	iment No.	2. Page	1 tota	rmation	in the shaded areas			
	WASTE MANIFEST	MDD 00626637	3 10099	7 ධ	of	1 is r	equired t	by State Law.			
T	3. Generator's Name and Mailing Address	L	, 00,	<u>, , , , , , , , , , , , , , , , , , , </u>	A Miss	ourt Manifest Docum			1		
\prod	DOE RUN CO	= · · · · · · · · · · · · · · · · · · ·						0.492	İ		
П	881 MAIN ST	WO (0040 101			0-0-1-1-7-6 0-992 B 6 St. (Gen. Site Address)						
\prod	HERCULANEUM	MO 63048-122	:2		SAME						
П	5. Transporter 1 Company Name	6. US EPA ID I	lumber		C. MO. Transporter's 10 H-1273 Pacal 17						
И	SAFETY-KLEEN CORP.	J MOD (9548631	2 .	37015/5						
Н	7. Transporter 2 Company Name	8. US EPA ID I	lumber		D. Transporter's Phone: 314 441-0104						
П		1				porter's Phone		· · · · · · · · · · · · · · · · · · ·	11		
Ш	9. Designated Facility Name and Site Address	10. US EPA ID	Number		G. State Facility's ID						
$\ \ $		5 440 00			HH-0023						
П	SAFETY-KLEEN CORP. 4526 TOWNE COURT	5-160-03			H. Facility's Phone						
П	ST CHARLES, MD 63	3304 MOD (9548631	2	314 441-0104						
]]	11. US DOT Description (Including Proper Shipping Name, I	Hazard Class, and ID NUMBER)		12. Containe	rs	13.	14.	1 \$6 A6 2 1 2 2 3 1 B	15		
11						Total Quantity	Unit WI/Vol.	I. Waste No.	E		
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П	WASTE COMBUSTIBL	E LIQUID, N. Q. S	i.	1 1 .		- 7 .	١_	D001	ĮΞ		
G	(PETROLEUM NAPHTHA) NAI		.)	1 1	DM		G,	STATE			
E	(ERG#27) 6.7 LBS./GAL			 		- `		EPA WASTE CODE	盃		
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R	(PETROLEUM NAPHTHA) NA 1	.993 PGIII(DO01	>	$ \nabla $	DM	70	G	STATE	S		
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П	J. Additional Descriptions for Materials Listed Above		ALCO ASPECT		inter	im Final	niyy : 4 - 16	Comments	1_		
	■ D039 (D018	6.7 LBS/GA	LSZ=:8	Carle It 🖦	part of	OZ 154	47 35	n the Africa New Contract	逆		
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	15. Special Handling Instructions and Additional Information	9403 63652606	012774						E DESIGNATE GENERATOR		
П	IF UNDELIVERABLE, RETU	RN TO GENERATO	R						<u></u> 6		
Ш	EMERGENCY RESP#708-BB8-4660 24HR. SKDOT# A: 501 B: 56						585 C: D:				
Н	16. GENERATOR'S CERTIFICATION: I hereby declare that						2000 00		<u>ج</u> ه		
Ш	marked, and labeled, and are in all respects in propi								18 <u>P</u>		
П	state regulations. If I am a large quantity generator, I certify that I have a pro-	ogram in place to reduce the volume	and loxicity of waste	generated to II	he degree	i have datermined	to be eco	Momically practicable and	FS		
П	that I have selected the practicable method of treatment, if I am a small quantity generator, I have made a good fail	storage, or disposal currently availab	e lo me which minir	mizes the prese	nt and fu	ture threat to huma	n health :	and the environment; OR,	THE GENERATO THE DEPARTMENT		
П	Printed/Typed Name	Signatur		.D		11		Month Day Year	35		
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	Designated Facility Owner or Operator: Certification of rec		riels covered by this	s manifest exce	pt as not	ed in item 19.	··	Manh Day Varia	COPY MUST BE SENT BACKLITY THEN TRANSMITTED		
Т	Printed/Typed Name	Signatur	ha -	21	h,			Month Day Year	홍글		
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5-160-03 INSTRUCTIONS FOR THE COM-PLETION OF THIS FORM ARE ON REVERSE SIDE.

MISSUUM DEFARTMENT OF MATURAL RESCONCES Division of Environmental Quality

Waste Management Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3176

#690372

CHEM TREC 1-800-424-9300 DEPT. OF NATURAL RESOURCES 314-634-2436

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS. **HAZARDOUS WASTE MANIFEST**

P	lease print or type (Form designed for use on elite (1)		Form Approved. OMB No. 2050-0039. Expires 9-30-94											
f	UNIFORM HAZARDOUS 1. Generator's US EPA ID No. Manifest Document No.					2. Page 1 Information in the shaded areas								
	WASTE MANIFEST	MOD 006266373	10099	4	of 🎤	is red	tuived by State La	àw.	1					
	3. Generator's Name and Mailing Address DDE RUN CD 881 MAIN ST HERCULANEUM 4. Generator's Phone (314)479-5311 5. Transporter 1 Company Name	8.6.sl/6	Missouri Manifest Document Number G.S. (Gen. Site Address) Same Mo. Transporter's ID H1273 1390 1/-//											
П	SAFETY-KLEEN CORP.							D. Transporter's Phone 314 441-0104						
l	7. Transporter 2 Company Name	8. US EPA IO NU	Imber		E. MO. Transporter's ID H 1273 739296									
Ш	Safety-Kleen Corp.		4908202		F. Transporter's Phone G 1 B 3 Q 8 6 Q 1 R G. State Facility's ID									
	SAFETY-KLEEN CORP. STATE HWY 146	STATE HWY 146							COP					
			3348108	ia Carrana	(A) (A) 表 可以	502 - 845	14 100000		1					
	11. US DOT Description (Including Proper Shipping Name, I	HATER CIRSS, ENGILI NUMBER)	. [I2. Containe	*	Total Quantity		Waste No.	E N					
GE				4	DM J	684	P D STATE	STE CODE 0 1 9 ⁻¹	DNR					
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INSTRUCTIONS FOR THE COM-REVERSE SIDE. THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

MI330001 P Division of Environmental Quality

Waste Management Program P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

CHEM TREC 1-800-124-9300 DEPT. OF NATURAL RESOURCES 314-634-2438

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-Pitch) typewriter.) Form Approved, OMB No. 2050-0039, Expires 9-30-94 1. Generator's US EPA ID No. Manifest Document No. 2. Page Information in the shaded areas UNIFORM HAZARDOUS **WASTE MANIFEST** MOD006266373 is required by State Law 3. Generator's Name and Mailing Address A. Missouri Manifest Document Numbe Doe Run Co. 881 Main St. - 1° 13∘7 B. G.S.I. (Gen. Site Address) Herculaneum, MO 63048 SAME ٠ 4. Generator's Phone (<u>314-479-5311</u> 5. Transporter 1 Company Name C. MO. Transporter's ID H-1431 SCHNEIDER TANK LINES WTD980904742 D. Transporter's Phone 800-558-6623 8. US EPA ID Number 7. Transporter 2 Company Name E. MO. Transporter's ID F. Transporter's Phone G: State Facility's ID Se 9. Designated Facility Name and Site Address 10. US EPA ID Number COPY SAFETY-KLEEN CORP. 921103000 STATE HWY. 146 NEW CASTLE, KY 40050 KYD0533481.08 502-845-2453 FINAL 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER) 12. Containers I. Waste No. Total Quantity EPA WASTE CODE DNR · "一个" SAME WASTE AS PAGE 1 STATE ... Ġ Ε EPA WASTE CODE Ν **等性不多的。 "特别**" ¢ STATE!" H EPA WASTE CODE α. STATE EPA WASTE CODE K: Handling Code (Facility Use Only): Con-I (Additional Descriptions for Meterless Listed Above) Finel E DESIGNATED 医骨骨 医原 中心经验的考虑并由一会加速逐渐比较的指示法的性效性以表现的所有 \$ 36 m 20回到江南 · 沙线图像用电池及图形 13.5 "五章"的"这种事情"。使用"重要的"就是影響的 c. · 中 4.直至"专意器是特"的特殊是一种这种可 15. Special Handling Instructions and Additional Information THIS MANIFEST FOR SHIPPING PURPOSES ONLY 24 HR. EMERG. RESP. #1-708-888-4660 IF UNDELIVERABLE, RETURN TO GENERATOR 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Day 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Ωav Month Bobbo 00 MUST BE SENT BAC HEN TRANSMITTED 18. Transporter 2 Acknowled ent of Receipt of Materials Date Printed/Typed Name Signature Month Day 19. Discrepancy Indication Space C Designated Facility Owner or Operator: Certification of receipt and handling of hazardoys-materials covered by this manifest except as poled in item 19. inted/Typed Name 7711 C 8700-22 (Rev. 4-90) MONR-HWG 10 PREVIOUS EDITIONS ARE OBSOLETE

-11---03 INSTRUCTIONS FOR THE COM-REVERSE SIDE. THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

MISSUURI DEPARTMENT OF NATURAL RESOURCES Division of Environmental Quality

Waste Management Program .

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

EMERGENCY RESPONSE U.S. COAST GUARD 1-800-124-8802 CHEM TREC 1-800-424-9300 DEPT. OF NATURAL RESOURCES T 314-634-2436

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-Pitch) typewriter.) Form Approved, OMB No. 2050-0039, Expires 9-30-94 1. Generator's US EPA ID No. Information in the shaded areas UNIFORM HAZARDOUS MOD 006266373 00996 WASTE MANIFEST is required by State Law 3. Generator's Name and Mailing Address Missouri Manifest Document Number DOE RUN CD 0,0-1-1-7-6 б A ASL (Gen. Site Address) HERCULANEUM Generator's Phone (314)479-531 MD 63048-1222 5. Transporter 1 Company Name 6. US EPA ID Number H-1273 039077 C. MO. Transporter's ID. MOD 095486312 SAFETY-KLEEN CORP. D. Transporter a Phone 314 441-0104 7. Transporter 2 Company Name 8. US EPA ID Number E. MO. Transporter's ID F. Transporter's Phone G. State Facility's ID: 9. Designated Facility Name and Site Address 10. US EPA ID Numbe HH-0023 Ò. SAFETY-KLEEN CORP. 5-160-03 ပ္ပ H, Facility's Phone · 接到了是你还是 314 441-0104 MOD 095486312 CHARLES MO 63304 FINA 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER) 12. Containers Total Quantity EPA WASTE CODE ™ D001 WASTE COMBUSTIBLE LIQUID, N. D. S STATE IS (PETROLEUM NAPHTHA)NA 1993 PGIII (DOOI) G XXZ XXX5 (ERG#27) 6.7 LBS. /GAL 歪 EPA:WASTE CODE N 22 € STATE A Ŵ EPA WASTE CODE Ţ STATE , (Ē. **EPA WASTE CODE** K. Handling Code (Facility Use Only) Additional Descriptions for Materials Listed Above E DESIGNATED GENERATOR. ₹D039%D01B THE PROPERTY OF THE PROPERTY O · 连接处理主动中央 机电影性电影 医外侧性原则 医中枢疾病性经验 THE PARTY OF THE P **企业工程设计工程** . . nal information 9405 64163231_167413 5-160-03-7072 15. Special Handling Instructions and Additional Information IF UNDELIVERABLE, RETURN TO GENERATOR. EMERGENCY RESP#708-888-4660 24HR. Y 7HE G SKDOT# A: 501 B: C: D: 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. il I am a large quantity generator, I certify that I have a program in place to reduce the volume and texticity of waste generated to the degree I have determined to be economically practicable and that I have selected the present and future threat to human health and the environment; OR, if I am a small quantity generator, if they made a good faith effort to minimize my waste generation and select the best waste)management method that is available to me and that I can afford. Day Printed/Typed Name 0,20,219,4 USAN 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Şigneturə Month Day T000 0,202 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name ST BE SENT B TRANSMITTE Signature Month Day 19. Discrepancy Indication Space Ç Designated Facility Owner or Operator: Certification of receipt and handling of hazardous materials covered by this manifest except as noted in Item 19. Prioted/Typed Name Moath Day Year 466112 WISEMAL Form 8700-22 (Rev. 4-90) MONR-HWG to PREVIOUS EDITIONS ARE OBSOLETE

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MISSUURI VERALIMENT OF NATURAL RESOURCES

Waste Management Program . .
P.O. Box 176 Jefferson City, Missouri 65102 314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE U.S. COAST GUARD 1400-424-4802 CHEM TREC 1400-424-9300

1-809-424-9300 DEPT. OF NATURAL RESOURCES 314-634-2436

Form Approved, OMB No. 2050-0039, Expires 9-30-94 Please print or type (Form designed for use on elite (12-Pitch) typewriter.) 1. Generator's US EPA ID No. Manifest Document No. Information in the shaded areas **UNIFORM HAZARDOUS** MOD 006266373 WASTE MANIFEST af is required by State Law 3. Generator's Name and Mailing Address A. Missouri Manifest Document Number DOE RUN CO 881 MAIN ST 1 ٥ 0 1 7.6 R G S.L (Gen. Site Address) HERCULANEUM Generator's Phone (314) 479-5311 MD 63048-1222 5. Transporter 1 Company Name 6. US EPA ID Number C. MO. Transporter's ID 529 SAFETY-KLEEN CORP. MOD 095486312 D. Transporter's Phone 314 441-0104 7. Transporter 2 Company Name B. US EPA ID Number E. MO. Transporter's ID F. Transporter's Phone G. State Facility's ID: 9. Designated Facility Name and Site Address 10. US EPA ID Number HH-0023 SAFETY-KLEEN CORP 4526 TOWNE COURT 5-160-03 H. Facility's Phone - Table 1 ST CHARLES, MOD 095486312 314 441-0104 MO 63304 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER) 12. Containers 14. Unit I. Waste No. Total Quantity EPA WASTE CODE DNA WASTE COMBUSTIBLE LIQUID. N. O. S D001 (PETROLEUM NAPHTHA) NA 1993 PGIII (DOO1) xx3 G DM STATE ! XXXXX Ġ 6.7 LBS./GAL (ERG#27) **EPA WASTE CODE** Ν RG WASTE COMBUSTIBLE LIQUID, N. G. S. (PETROLEUM NAPHTHA) NA1993 PGIII (DOO1) D001 STATE: 4 DM G **xxx3**3 6.7 LBS/GAL (ERG#27) EPA WASTE CODE O R STATE EPA WASTE CODE d. Additional Descriptions for Materials Listed Above Interim Final C S02 T54 ED039 D018 See Called Broken Broken S02 154 b. D039 D018 10.1 年 10.5 4 - 阿拉克OD 中央共享的企业的企业 0.5 15. Special Handling Instructions and Additional Information 9407 64668890 326105
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EMERGENCY RESP#708-888-4660 24HR. 5-160-03-7072 THE (SKDOT# A: 501 B: 585 C: D: 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are tuby and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable mothod of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have nade a good faith effort to minimize my waste generation and celect the best waste management method that is available to me and that I can afford. ARTM Printed/Typed Name Day 02 1,619,1 17. Transporter 1 Acknowledgement of Receipt of Materials Date 9 Printed/Typed Name Signature Month Day . Year 웃으 1000 1,619,4 ひひ Y MUST BE SENT BAC THEN TRANSMITTED 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Day 19. Discrepancy Indication Space C FHIS COPY Designated Facility Owner or Operator: Certification of receipt and handling of hazardous materials covered by this manifest except as noted in Item 19. piqled/Typed Name Month Day 45-16 UISOMA EPA Form 8700-22 (Rev. 4-90) MONR-HWG to PREVIOUS EDITIONS ARE OBSOLETE

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102 ## 69363 9

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THIS DOCUMENT MUST BE USED 314-751-3176 FOR ALL MISSOUAL-DESTINED SHIPMENTS. DEPT. OF NATURAL RESOURCES 314-634-2436 HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039. Expires 9-30-94 Please print or type. (Form designed for use on elite (12-Pitch) typewriter.) 1. Generator's US EPA ID No. 2. Page 1 Manifest Document No. Information in the shaded areas **UNIFORM HAZARDOUS** MOD006266373 00999 **WASTE MANIFEST** of is required by State Law A. Missouri Manifest Document Number : : DOE RUN CO. 3. Generator's Name and Mailing Address 0,00, 1, 1, 7, 6 881 MAIN ST. HERCULANEUM, MO 63048 B. G.S.I. (Gen. Site Address) SAME 4. Generator's Phone (314)479-5311 H-127371039077 5. Transporter 1 Company Name 6. US EPA ID Number C. MO. Transporter's ID. 314-441-0104 MOD095486312 SAFETY-KLEEN CORP. D. Transporter's Phone H-1273 1 3474 7, Transporter 2 Company Name 6. US EPA ID Number E. MO. Transporter's ID F. Transporter's Phone 618-398-6918 SAFETY-KLEEN CORP. ILD984908202 G. State Fecility's ID 5: 9. Designated Facility Name and Site Addr. 10. US EPA ID Number SAFETY-KLEEN CORP. H9211483000 STATE HWY. 146 502-845-2453 1 NEW CASTLE, KY 40050 KYD053348108 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER) 12. Containers Total Unit . I. Waste No. Quantity EPA WASTE CODE Ä RQ HAZARDOUS WASTE, LIQUID, N.O.S. 9 DM- D019 P DOL STATE 0084] △ NA3082 PG III (D019)(ERG #31) EPA WASTE CODE 3 **美丽**·歌·歌 STATE ത EPA WASTE CODE STATE . EPA WASTE CODE Additional Descriptions for Meterials Listed Apover The second of th CONTROL #0167545-0/SAMPLE #312095 中國的政策學是不是法學學學學也是一個學學。 15. Special Handling Instructions and Additional Information PREPRINT #M95806 5-160-03-7072 IL TRANS ID: IL-1123 SKDOT # A: 1270 24 HR. EMERG. RESP. #1-708-888-4660 IF UNDELIVERABLE, RETURN TO GENERATOR 16. GENERATOR'S CERTIFICATION: I hereby decizes that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for tradeport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste made agreement method that is available to me and that I can afford. Printed/Typed Name Day 013/11/914 USAN CARC 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Day Signature Month Yaar PILOR 7300 013111 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Oas 19. Discrepancy Indication Space TRAN Ĉ Designated Facility Owner or Operator: Certification of receipt and handling of hazardous meterials covered by this manifest except as noted in Item 19. inted/Typed Name

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Division of Environmental Quality
Waste Management Program
P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

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MISSOURI DEPARTMENT OF NATURAL RESOURCES Division of Environmental Quality

> Waste Management Program P.O. Box 176 Jefferson City, Missouri 65102

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EMERGENCY RESPONSE U.S. COAST GUARD 1-500-424-8802 CHEM TREC 1-800-424-9300 DEPT, OF NATURAL RESOURCES

HAZARDOUS WASTE MANIFEST

Form Approved, OMB No. 2050-0039, Expires 9-30-94 Please print or type. (Form designed for use on elite (12-Pitch) typewriter.) 1. Generator's US EPA ID No. Manifest Document No. Information in the shaded areas **UNIFORM HAZARDOUS** MDD 006266373 00999 WASTE MANIFEST is required by State Lav 3. Generator's Name and Mailing Address A. Missouri Manifest Document Number 10,1,1,7 6. DOE RUN CO B. G.S.J. (Gen. Site Address) MAIN ST 881 HERCULANEUM MG 63048-1222 45. 314'6. US EPA ID Number H-1273 5. Transporter 1 Company Name C. MO. Transporter's ID Έ MOD 095486312 SAFETY-KLEEN CORP. D. Transporter's Phone 314 441-0104 7, Transporter 2 Company Name 8. US EPA ID Number E. MO, Transporter's ID F. Transporter's Phone G. State Facility's ID 9. Designated Facility Name and Site Address to US EPA ID Number COPY HH-0023 516003 SAFETY-KLEEN CORP. 4526 TOWNE COURT ST CHARLES, H. Facility's Phone ... 314 441-0104 MDD 0954B6312 MD 63304 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER) 12. Containers Unit Total I. Waste No. 正 Quantity Wi∕Vol EPA WASTE CODE Œ D001 Ž WASTE COMBUSTIBLE LIGUID N. O. S. (PETROLEUM NAPHTHA) NA1993 PGIII (DO01, D018, D039) (ERG#27) 6, 7LBS/ *0*05 STATE : 10 *00*03 G 6.7LBS/GAL 函 Ε EPA WASTE CODE 50 N D001 RG WASTE COMBUSTIBLE LIGUID, N. D. S. E (PETROLEUM NAPHTHA) NA1993 PGIII X)4 G D٢ STATE 00056 ഗ (DO01, D01B, D039) (ERG#27) 6. 7LBS/GA EPA WASTE CODE O A STATE EPA WASTE CODE L Additional Descriptions for Materials Listed Above THE DESIGNATED THE GENERATOR. 7 BS/CA COMPANY OF CLARK TO SERVICE OF CLARK T 502 S02 €/D039 D018 b: D039 D018 NEW FATER WAY, WE SEEK TO Mr. 4524 000 V. 0. ₹ 9411 65619538 636649 5-160 15. Special Handling Instructions and Additional Information IF UNDELIVERABLE, RETURN TO GENERATOR. EMERGENCY RESP#708-888-4660 24HR. SKDOT# A: 501 B: 585 C: D: 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper snipping name and are classified, packed, marked; and tabeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. THE GENERATOR If I am a large quantity generator, I certify that I have a program in place to reduce the volume and texicity of waste generated to the degree I have determined to be economically practicable and that I have selected the precticable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name PILAZELLA <u>Jusan</u> 191811210 ICANEU A 17. Transporter 1 Acknowledgement of Receipt of Materials Date 듔 Printed/Typed Name Signature Dey Year 0,31 2 19.4 MIKOR 18 TDOO D. MUST BE SENT BACHEN TRANSMITTED 18. Transporter 2 Acknowledgement of Receipt of Materials Oate Printed/Typed Name Signature Manth Day 19. Discrepancy Indication Space Ą COPY resignated Facility Owner or Operator: Centification of receipt and handling of hazardous materials covered by this manifest except as noted in Item 19. nted/Typed Mame Month Day 120MA EPA Form 8700-22 (Rev. 4-90) MONR-HWG 10 PREVIOUS EDITIONS ARE OBSOLETE



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

DOE RUN CO., THE CONTACT: JAMES M. LANZAFAME 881 MAIN STREET HERCULANEUM MO 63048

EPAID=MOD006266373 MOID=001176

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(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)	3-31(YEAR)	0 630-94	YEAR)	OF	
ECTION B - GENERATOR IDENTIFICATION				50800 F - 580	
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on August 4, 1988, neither manife	st or Safety - Kle	en invoice	is requ	uired for	٠.
quanties of Safety-Kleen solvent :	less than 1000KK	g per monti	1.		
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SCTION S-CERTIFICATION STATEMENT					
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ocuments and that based on my inquiry of those individ					
hat the submitted information is true, accurate and comple	ele. I am aware that the	ere are signific	ant penali	ies for submitting :	•
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John FiczSimmons	14-11/M2M1ATM/			1 6/30/04	1
103-1037 (0.91)	NX June 1			6/30/94	



MAZARUUUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

AND IDENTIFICAT	ION NUMBERS A	S SHOWN C	IN PART I
GENERATOR NAME			

The Doe Run Company

M. O. D. O. O. 6. 2. 6. 6. 3. 7. 3 M

MISSOURI I.D. NUMBER

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HANIFEST SUMMARY REPORT

11-DWH-BNO

----- DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURL65102 (314) 751-3176

BEFORE COPYING FORM, ENTER THE GENERATOR'S NO AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.	
CENEDATOR NAME	

The Doe Run Company

EPA IO HUMBER

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Safety-Kleen Corporation FACILITY SITE ADDRESS	···			•					1.6.3.1
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0 760-1001 (6-91)



MISSOURI DEPARTMENT OF NATURAL RESOURCE
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE
REPORT SUMMARY SHEET - DART II

s	BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.
	THE DOE RUN COMPANY
İ	EPA 10 NUMBER

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NOTE PLEASE READ INSTRUCT ATTENTION: Summarize all shipmed Hazardous Waster Management Fadentified in Section G below. Additionally and the section G below. Additionally and the section G below. Additionally and the section G below. Section G below.	ents me icility tional t facility	ide to the you have pages are	1, FOR THE	F-REPO	DRT IDIENT OING (CHECK O) Q 18-3		EAA) R)	2 PA		4
PACILITY NAME (NAME OF OFF-SITE LOCA PDC #1 FACILITY SITE ADDRESS 4349 Southport Road SITY	TION WH	ERE WASTE	STATE		P CODE 61615		4. FACILIT	0805 YS MIS	812 SOURIT.	D. NUMBER
Peoria Section H - Waste Identificati	ON		ΙL		01012			Į ¢ į	[[05]	
7. DESCRIPTION OF WASTE SHIPPEO TO THE FACILITY LISTED ABOVE	8. DOT HAZARO CODE	1	9. Zardous E number	10. TAX COOE (SEE INST.)	T	11. OTAL AMOUNT OF WASTE		1Z. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
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e ECTION J - COMMENTS				H· - ·	• • •		· · · ·			

60-1097 (6-91)



Peoria Disposal Company 4349 Southport Rd., Peoria, Illinois 61615 (309) 676-4893

Fingerprint Analysis

Scale Ticket 33490	Sample No. 23
Des	tination
Landfill Stabilization	Solidification/Landfill WWT
Physical Characteristics: State: solid semi-solid solid/liq none Color aray 7.Z p	Flashpoint: °F N/A Water Reactivity: Generate gasses Temperature change Soluble Insoluble Slight &
Acceptance status:	Comments
Conforms Does not Conform Accepted Rejected	Analyst 🚜 🗸 🗸



Peoria Disposal Company SCALE TICKET

Scale No. 333690

P.O. Box 9071 Peoria, IL 61612-9071 (309) 688-0760

Permit	000 381 REFRACTORY BRICK	Customer	0101033 DOE F	UN COMPANY
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CUSTOMER COPY

REFRACTORY BRICK DISPOSAL AT PDC

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	04/04/94				6068900 - 1001	
TOT. TONS> 20.62 20.79	TOT. TONS	>	20.62	20.79		

SFTKLEEN

SAFETY KLEEN SOLVENT RECYCLED

2ND QUARTER 1994

	OILY WATER	WASTE OIL	WASTE NAPTHA	WASTE GREASE
WEEK ENDING	GALLONS	GALLONS	GALLONS	POUNDS
				6=========
04/15/94			136	
04/22/94		•	•	911
05/13/94			113	2107
06/10/94			134	2950

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INSTRUCTIONS FOR THE COM-PLETION OF THIS FORM ARE ON REVERSE SIDE. THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

Division of Environmental Quality Waste Management Program P.O. Sox 176 Jefferson City, Missouri 65102 314-751-3176

708353

EMERGENCY RESPONSE

U.S. COAST GUARD
1800-424-8802

CHEM TREC
1800-424-9300

DEPT OF NATURAL RESOURCES
314-636-7436

HAZARDOUS WASTE MANIFEST

P	lease print or type. (Form designed for use on elite (1							No. 2050-0039. I	Expires 9-30-94
á	UNIFORM HAZARDOUS	1. Generator's US I	EPA ID No.	Manifest Do		2. Page _	1 Infi	ormation in the sha	ded areas
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1	SCHNEIDER TANK LINES			090474	12		xier's Phone	800-558	O - O - 111
4	7, Transporter 2 Company Name		8. US EPA ID Nor		12		naporter's ID		-0023
-			F				rter's Phone		
:	9. Designated Facility Name and Site Address		10. US EPA ID No	mber		G. State F	acility's ID		>
i	SAFETY-KLEEN CORP.					921	103000		
į	STATE HWY. 146					H. Facility	e Phone	3 3 Am	<u> </u>
[.	NEW CASTLE, KY 40050		KYD05	334810	08			502-845	-2453
	11. US DOT Description (Including Proper Shipping Name,	Hazard Class, and IL			12. Containe	79	13. Total	14. Unit 1.1	Weste No.
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Į	18. GENERATOR'S CERTIFICATION: I hereby declare that	the contents of thi	s consignment are	fully and accu	trately described	above by	proper shipping	name and are clas	ssitied, packed.
	marked, and tabefed, and are in all respects in prop state regulations.	er condition for train	nsport by highway	according to	applicable intern	ational and	national gover	nment regulations	
	If I am a large quantity generator, I certify that I have a pr								
1	that I have selected the practicable method of treatment, if I am a small quantity generator, I have made a good fa		my waste generali					railable to me and t	hat I can afford.
↓	Printed/Typed Name		Signature					Month 3 I	Day Year E
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À	17. Transporter Nacknowledgement of Receipt of Materials Printed/Typed Name		Signature	1		/-		Month	Date F
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ı	Form 8700-22 (Rev. 4-90) MONR-HWG 10 PREVIOUS EDIT		<u> </u>	<u> معتب </u>	<u> ~~~~~</u>				<u> </u>

5-140-03 INSTRUCTION FOR THE COMPLETION OF THIS FORM ARE ON REVEASE SIDE. THIS DOCUMENT MUST BE USED. FOR ALL MISSOURI DESTINED SHIPMENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality 3
Waste Management Program
O Box 176 Jefferson City Missouri 651

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VIS. COAST GUARD
1400-424-8802
CHEM TREC
1800-424-9300
DEPT. OF NATURAL RESOURCES
214-634-2436

HAZARDOUS WASTE MANIFEST

Form Approved, OMB No. 2050-0039, Expires 9-30-94 Please print or type (Form designed for use on elite (12-Pitch) typewriter.) 1. Generator's US EPA ID No. Manifest Document No. Information in the shaded areas UNIFORM HAZARDOUS MOD 006266373 0 1006 WASTE MANIFEST is required by State Law Missouri Manifest Document Number 3. Generator's Name and Mailing Address 0 1 1 7 6 DOE RUN CO 881 MAIN ST B. G.S.I. (Gen. She Address) . HERCHLANEUM MD 63048 SAME 314⁾ 479-531 H1273[LP39072 5, Transporter 1 Company Nami 6. US EPA ID Number C. MO. Transporter's ID MOD 095486312 SAFETY-KLEEN CORP. D. Transporter's Phone 7. Transporter 2 Company Name 8. US EPA ID Number E. MO. Transporter's ID F. Transporter's Phone <u>618-398-6918</u> Safety-Kleen Corp ILD984908202 G: State Facility's ID. 9. Designated Facility Name and Sile Addres 10, US EPA ID Numbe 921103000 000658 H. Facility's Phone SAFETY-KLEEN CORP. STATE HWY 146 NEW CASTLE 502 845-2453 KY 40050 KYD 053348108 Meste No. 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER) 12. Containers Total Unit EPA WASTE CODE RQ Hazardous Waste, Liquid, N.O.S. DM DO 1 9 NA3082 PG III (D019)(ERG#31) STATE EPA WASTE CODE ō STATE EPA WASTE CODE STATE EPA WASTE CODE Karlainding Code (Facility Use Only) a Comments CONTROL #016/545=8/#312095 "海生"基本 多感到抗量 本で100m 小学が出来。 **主要可是"对自然是使陈祖基的"专定** 000000 0000 68324953 5-160-03-M22702 IVERABLE RETURN TO GENERATOR 24HR. SKDOT# IEMERGENCYDRESP#7083888-4660 16. GENEPATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government requirions, and Labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government requirions, and Labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government requirions. If I am a targe quantity generator, it could be accordingly available to me which minimizes the greatest are fully and the environment; OR, if I am a small quantity generator, have made a good faith effort to minimize my waste generation and select-the best waste management method that is available to me and that I can altered. Printed/Typed Name 10,611,019,4 FICARE 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Dav Aaler 061101914 800 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Dav 10,61 19. Discrepancy Indication Space C Designated Facility Owner or Operator; Certification of receipt and handling of hazardous materials covered by this manifest except as noted in Item 19. Signature EPA Form 8700-22 (Rev. 4-90) MONR-HWG 10 PREVIOUS EDITIONS ARE OBSOLETE

Jefferson Cou יותיeum (HW) Doe Run Co. - -

JOHN ASHCROFF Governor

G. TRACY MEHAN III. Director



STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY ST. LOUIS REGIONAL OFFICE 10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1017 314-822-0101 Fax No. 314-822-0943

February 19, 1992

Mr. James M. Lanzafane Environmental Superintendent Doe Run Co. - Smelting Division 881 Main Street Herculaneum, MO 63048 (314) 933-3143

LOW #92-SL.006

Dear Mr. Lanzafane:

On February 13, 1992. Mr. Mike Struckhoff of my staff conducted a resource recovery inspection at Doe Run Company - Smelting Division, Herculaneum, Missouri. The inspection was conducted to assess compliance with regulations pursuant to the Missouri Hazardous Waste Management Law. It covered records and practices related to your facility's resource recovery operation and was conducted under the authority granted by Section 260.75(9) and 260.377 RSMo.

 A violation noted during the inspection, along with recommendations that the inspector has determined will correct this violation is listed below:

Failure to meet the operating conditions of the resource recovery certification, in violation of 10 CSR 25-9.020(3). The Doe Run Company certification requires that hazardous waste, upon arrival at the facility, must be input into the resource recovery process and recovered within 24 hours. Copies of the daily logs reviewed during the inspection indicated that two shipments of waste for manifest numbers 33 and 34 (attached), had not been processed during the 24-hour period. As you stated during the inspection, you believe that this was a recording mistake on your part, and that the wastes of these two shipments have actually been processed within 24 hours. Doe Run must process hazardous waste within 24 hours of receiving the waste. If for some reason this cannot be accomplished, the facility must inform the Department in writing of when this waste was received, when the waste was actually processed, and the reason why it could not be processed within a 24-hour period. A copy of this letter should be retained at the Doe Run facility.

In order to document that corrective actions have been taken, you are requested to submit a written response no later than March 20, 1992. Your response should describe steps taken to correct the violation noted above. Please direct the response to Mr. Struckhoff. You should also forward a copy of your response and supporting documentation to Mr. Bruce Martin, Chief - Hazardous Waste Enforcement, Waste Management Program, P.O. Box_176, Jefferson City, Missouri 65102. RORA FILE COOM

Division of Energy Division of Environmental Quality Division of Geology and Land Survey Division of Management Services Division of Parks, Recreation, and Historic Preservation

Jefferson Cour Doe Run Co. - nerc neum (HW) February 19, 1992 Page Two

It is the purpose of this letter to persuade you to take all necessary action to comply with the Missouri Hazardous Waste Management Law. Failure to achieve timely resolution of the violations may result in the referral for enforcement action by the Waste Management Program.

Should you have any questions, or wish to discuss this matter, please contact Mr. Struckhoff at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck Regional Director

RSPE/MS/sh

Enclosures

c: WMP

Southeast Regional Office

ASSENCTIONS FOR THE COM-LETION OF THIS FORM ARE ON A SPARATE SHEET THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED CHAMENTS

TSOURI DEPARTMENT OF NATURAL I. DU'S Division of Environmental Quality Hazardous Wasta Brown

Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3176

EMERGENCY RESPONS U.S. COAST GUARD TIROCALARDII CHEMITRED DEFT OF NATURAL PESON.

HAZARDOUS WASTE MANIFEST

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DAILY LOG

(to be filled out for each manifested waste recieved)

Date: 1-28-92 Time: 8:56
Manifest number: 003242-0032 (see shaded portion of manifest right hand Item A)
Common name: Secondary smelter baghouse dust
EPA Hazardous Waste Number(s): K069 (usually found under Item 11 of manifest consisting of letter and 3 digit code)
Waste Description: RQ, Hazardous waste solid, NA9189, ORME, NOS, KO69 emissions dust from secondary smelter (usually found under Item 11 a.)
(dsdally lound didel item if a.)
Estimated or manifest reported weight or volume: 34680 P (pounds) T (tons)
(usually found under Items 12, 13, and 14)
Method of Handling: T50 (federal), T04 (Missouri)
Place material introduced: Railcar/truck unloader
Start of processing: 8.45 A.M.
(Unloader operator should call you when truck has unloaded at the Unloader.)
Finished processing: $05/5$ and $2/5/92$
(The sinter plant operator or group leader will record this time in the sinter plant log book.)
THEN FORM IS COMPLETED RETURN TO ENVIRONMENTAL DEPARTMENT FOR RECORD RETENTION AS SOON AS POSSIBLE.
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ESTRUCTIONS FOR THE COM-LETION OF THIS FORM ARE ON A EPARATE SHEET THIS DOCUMENT MUST BE USED THE ALL MISSOURI-DESTINED

- PIMENTS.

POSOURI DEPARTMENT OF NATURAL R. JRCSS Division of Environmental Quality Hazardous Waste Program P.O. Box 176 Jefferson City, Missouri 65102 314-751-3176

EMERGENCY RESPONSE
US COAST QUARD
TERCHANABES
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TROOPERSONS
DEFT OF NATURAL RESCUE
214-0302

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved DMB No 2050-0039, Expires 9-30-94 1. Generator's US EPA ID No. 2. Page 🕹 UNIFORM HAZARDOUS information in the shaded areas Document No A,O,D,3,5,9,2,5,5 WASTE MANIFEST is required by State law. 3. Generator's Name and Mailing Address 行心 じつご おはれ このなりるのと A. Missouri Menifest Document Number 2 9 3 2 4 2 HC 1, Box 1395 Boss, MO 65448-9581 B. G.S.I. (Gen. Site Address) 🔩 4. Generator's Phone (314)525-4813 H1429 6. US EPA ID Number 5. Transporter 1 Company Name C. MO, Trans, ID [f,L,D,3,3,7,8,1,4,8,2,5 613-768-4413 Beelman Truck Company D. Transporter's Phone 7. Transporter 2 Company Name E. MO. Trans. ID F. Transporter's Phone 9. Designated Facility Name and Site Address . 10. US EPA ID Number G. State Facility's ID RR 3 4 1 9 The Dos Run Company 881 Main Street H. Facility's Phone [M, O, D, 8, 3, 6, 2, 6, 6, 5, 7, 3] 314-479-5311 Haraulaneum, MD 63943 11, US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Unit Total I. Waste No. Number Quantity RO, HADARDOUS WASTE SOLID, NAMINE, ORTE, NOS BU WASTE SODE 9 5 1|D T ₽ K269 Emission dust from sacondary smelter 6 743/-Ε EPA WASTE CODE STATE EPA WASTE CODE EPA WASTE CODE K3 HAMOLING CODE IF ACILITY USE DAILY J. Additional Descriptions for Materials Listed Above 14 ・・テルカデー 正立と示う ユン RU69 Emission control dust from secondary smelter Ъ, and thempto transfer 15. Special Handling Instructions and Additional Information Marchial is designated for use, rause, recycle, or raclaim. 15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper snipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulation If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of wasta generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me in health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimite my waste generation and select the best waste management method available to me that I can attord. Printed/Typed Name Day Year 0 17. Transponer 1 Acknowledgement of Receipt of Materials Cáte Printed/Typed Name Signature Monta Day THIS COPY IS TO BE BETAINED 18. Transporter 2 Acknowledgement of Receipt of Materiels Date Printed/Typed Name Day Signature Month Year 19. Discrepancy Indication Space 20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by this menitest except as noted in Item 19 Date Printed/Typed Name Day Signature Month EPA Form 8700-22 (Rev. 8-91) MDNR-HWG 10

DAILY LOG

(to be filled out for each manifested waste recieved)

Date: 1-28-92 Time: 1:35 p.m
Manifest number: 003242-0034 (see shaded portion of manifest right hand Item A)
Common name: Secondary smelter baghouse dust
EPA Hazardous Waste Number(s): K069 (usually found under Item 11 of manifest consisting of letter and 3 digit code)
Waste Description: RQ, Hazardous waste solid, NA9189, ORME, NOS, KO69 emissions dust from secondary smelter
(usually found under Item 11 a.)
Estimated or manifest reported weight or volume: 34900 P (pounds) T (tons) (usually found under Items 12, 13, and 14)
Method of Handling: T50 (federal), T04 (Missouri)
Place material introduced: Railcar/truck unloader
Start of processing: 1:45 p.m.
(Unloader operator should call you when truck has unloaded at the Unloader.)
Finished processing: <u>05:15 pm on 2/5/92</u>
The sinter plant operator or group leader will record this ime in the sinter plant log book.)
THEN FORM IS COMPLETED RETURN TO ENVIRONMENTAL DEPARTMENT FOR SECOND RETENTION AS SOON AS POSSIBLE.
No 78! Inadvertently put date of sall rather than late of finished processing Ling Landone
Jens Langfine

"MSTRUCTIONS FOR THE COM-PLETION OF THIS FORM ARE ON A FEF4RATE SHEET THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

SOURI DEPARTMENT OF NATURAL RE JRCES Division of Environmental Quality Hazardous Waste Program P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

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HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pit)	:h) typewriter.)		Fore	n Approved Ol	MB No 2050-0039, Expires 9-30-9
UNIFORM HAZARDOUS	1. Generator's US EPA ID No.	Manifest Document No.	2. Page	Informa	tion in the shaded areas
WASTE MANIFEST	<u> </u>		<u></u> به ا	is requi	red by State law,
3. Generator's Name and Mailing Address, 'The Da	3) Pan Company			nifest Docume	ent Number
	flox 1395				
	MD 55443-9521	• •		214	
	Site Address)	t.			
4. Generator's Phone (314) 525-4813		<u> </u>		<u> </u>	· · · · · · · · · · · · · · · · · · ·
5, Transporter 1 Company Name	6. US EPA ID Number		C. MO. Trans.	10 범]	429
Beelman Truck Company	LIEDS V 7	31477	D. Transporter	's Phone	18-768-4413
7. Transporter 2 Company Name	8. US EPA ID Number		E. MO. Trans.		
{ { }	1		F. Transporter	s Phone	
9. Designated Facility Name and Site Address	10, US EPA 1D Number		G. State Facilit	v's ID -	
The Doe Run Company			Í		
281 Main Street			H. Facility's Ph		
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Herculandum, HD 53448	<u> </u>			<u>79-5311</u>	
11. US DOT Description (Including Proper Shipping Na	ne, Hazard Glass, and ID Number)	12. Contain		13. Total	14. L. Waite No.
		Number			Wt/Vol.
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16. GENERATOR'S CERTIFICATION: I pereby declare that					
and labeled, and are in all respects in proper condition for					
If 1 am a large quantity generator, I certify that I have and that I have selected the practicable method of trea	imeni, storage, or disposal currently available to me w	which minimizes the p	present and future	threat to hum.	an health and the environment:
OR, if I am a small quantity generator. I have made a good	faith effort to minimize my waste generation and select	the best waste manage	ement method ava	ilable to me tha	iz I can attord.
Printed/Typed Name	Signature			/	Month Day Year
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T 17. Transporter 1 Acknowledgement of Receipt of Materials				•	Date
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22 Described Facility Owner or Operator Conditions of	eccipt of hazardous materials covered by this manifes Signature	il except as noted in t	lem 19		Date Month Day Year
20. Designated Facility Owner or Operator, Certification of		il except as noted in t	tem 19		

DAILY LOG

(to be filled out for each manifested waste recieved)

			i i
Date: /-30-	92	Time:	8:25 A.M
Manifest numbe (see shaded po	r: 003248 ortion of manifest ri	2 - 003 ght hand	Item A)
Common name:	Secondary smelter ba	ghouse du	st
EPA Hazardous (usually found and 3 digit co	Waste Number(s): K0 under Item 11 of ma de)	69 nifest co	nsisting of letter
	ion: RQ, Hazardous w NOS, KO69 emiss smelter under Item 11 a.)		
Estimated or mare reported weight (usually found	anifest t or volume: <u>35,</u> under Items 12, 13,	500 P T and 14)	(pounds) (tons)
Method of Hand	ling: T50 (federal),	TO4 (Miss	souri)
Place material	introduced: Railcar/	truck unl	oader
Start of proces	ssing: <u></u>	50 A.	m
the Unloader.)	ator should call you		,
Finished proces	ssing: <u>07,30 pm</u>	on 11	30/92
	int operator or group iter plant log book.)		ill record this
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RECORD RETENTION AS SOON AS POSSIBLE.

STRUCTIONS FOR THE COM-ETION OF THIS FORM ARE UN A PARATE SHEET

HIS DOCUMENT MUST BE USED TO ALL MISSOURI-DESTINED NEWENTS

OUR! DEPARTMENT OF NATURAL RE. A Division of Environmental Quality Hazardous Waste Program P.O. Box 176 Jefferson City, Missouri 65102 314-751-3176

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HAZARDOUS WASTE MANIFEST

pase print or type. (Form designed for use on elite (12-prich) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-94 UNIFORM HAZARDOUS 1. Generator's US EPA ID No. Manufest 2. Page _ Information in the shaded areas Document No WASTE MANIFEST is required by State law. M O D O B S 2 3. Generator's Name and Mailing Address The Doe Run Company **Hissouri Manifest Document Number** HC 1, Box 1395 3 2. Boss, MO 65442-9581 B, G.S.I. (Gen. Site Address) > G.G. 4. Generator's Phone (314) 525-4813 6. US EPA ID Number C. MO. Trans, ID 5. Transporter 1 Company Name H1429 1 L D B B 7 8 4 D. Transporter's Phone Beelman Truck Company 618-769-4413 7. Transporter 2 Company Name 8, US EPA ID Number E. MO. Trens, JD F. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID RR 3 4 1 The Doe Run Company H. Facility's Phone . 381 Main Screet Harculaneum, MO 53848 314-479-531 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) I. Weste No. Type Number Quantity EPAWASJE CORE RQ, HAZARDOUS WASTE SOLID, WAS139, ORME, NOS K069 Emission dust from secondary smelter il D STATE 2,50 EPA WASTE CODE Ę STATE EPA WASTE CODE STATE **EPA WASTE CODE** STATE J. Additional Descriptions for Materials Listed Above コミ ダスコンドケ ひろと ロッシベ dust from secondary smalte d.: -1984年1月1日 المتحاض فالمناه فالمتاها والمالية Special Handling Instructions and Additional Information Material is designated for use, reuse, recycle, or reclaim. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper snipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste penerated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good farth effort to minimize my waste generation and select the best waste management method available to me that I can afford. Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Dey Month Year MAYNE 70 4. 8. Transporter 2 Acknowledgement of Receipt at Materials Date Day Printed/Typed Name Signature . IAbnih Year 19. Discrepancy Indication Space Ë Ľ 20 Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by this maintest except as noted in Item 19. Printed/Type 3 Name Day EPA Form 8700-22 (Rev 8-91) MDNR-HWG 10

DAILY LOG

(to be filled out for each manifested waste recieved)

Date: 1.30-92 Time: 2:00
Manifest number: 003242 - 0036 (see shaded portion of manifest right hand Item A)
Common name: Secondary smelter baghouse dust
EPA Hazardous Waste Number(s): K069 (usually found under Item 11 of manifest consisting of letter and 3 digit code)
Waste Description: RQ, Hazardous waste solid, NA9189, ORME, NOS, KO69 emissions dust from secondary smelter
(usually found under Item 11 a.)
Estimated or manifest reported weight or volume: 33400 P (pounds) T (tons)
(usually found under Items 12, 13, and 14)
Method of Handling: T50 (federal), T04 (Missouri)
Place material introduced: Railcar/truck unloader
Start of processing:
(Unloader operator should call you when truck has unloaded at the Unloader.)
Finished processing: 07:30 pm on 1/30/92
(The sinter plant operator or group leader will record this time in the sinter plant log book.)
WHEN FORM IS COMPLETED RETURN TO ENVIRONMENTAL DEPARTMENT FOR RECORD RETENTION AS SOON AS POSSIBLE.



GARY BOYER
VICE PRESIDENT SMELTING
AND GENERAL MANAGER

January 20, 1992

Mr. Joe Davis
Missouri Department of Natural Resources
Waste Management Program
P. O. Box 176
Jefferson City, Missouri 65102

Re: Facility Summary Report

Mr. Davis,

Enclosed you will find our Facility Summary Report for the fourth quarter of 1991.

Should you have any questions, please feel free to contact me at (314) 933-3143.

Sincerely,

James M. Lanzafame

Environmental Facilitator

file name hswstsum.cov



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 DOE RUN CO., THE CONTACT: JAMES M. LANZAFAME 881 MAIN STREET HERCULANEUM MO 63048

EPA ID=MOD006266373 MO ID=RR0419

FACILITY SUMMARY REPORT

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SECTION B - FACILITY IDENTIFICATION -			100.00 140		
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	<u>.</u>	(314) 933	-3143	_	٠.
e mailing address	CITY	\$1	TATE ZIP	CODE	. –
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SECTION C. COMMENTS	CET SEPTEMBER SECTION OF THE PROPERTY OF		Armania de la compansión de la compansió		10

8A. The Doe Run Company is a partnership of:

Doe Run Investment Holding Corporation Leadco Investment, Inc. St. Joe Minerals Corporation

TOTON D. CERTIFICATION STATEMENT

certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting talse information, including the possibility of fine and imprisonment.

submitting false information, including the	n is true, accurate, and complete. I am aware that the possibility of fine and imprisenment.	nere are significant penames for
PANT HAME	SIGNATURE //	DATE,
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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II"

1	BEFORE COPYING FORM, ENTER THE FACILITY NAME AN IDENTIFICATION NUMBERS AS SHOWN ON PART I.	C
	FACILITY NAME	_

Doe Run Co., The

M.O.D.O.O.6.2.6.6.3.7.3

FACILITY'S MISSOURI

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LINE: HTMR



SMELTING DIVISION

GARY BOYER VICE PRESIDENT SMELTING AND GENERAL MANAGER

August 8, 1991

Mr. Kurt Hilsenbeck Missouri Department of Natural Resources Waste Management Program P. O. Box 176 Jefferson City, MO 65102

Re: Generator's Hazardous Waste Summary Report

Mr. Hilsenbeck:

Enclosed you will find our Generator's Hazardous Waste Summary Report for the second quarter of 1991.

Should you have any questions, please feel free to contact me at (314) 933-3143.

Sincerely,

James M. Lanzafame

Environmental Facilitator

PART I

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HOTE F FEERSE NEXT INSTRUCTIONS AND C	THE PROPERTY OF THE		
Regardless of whether any off-site shipment occurr and transmit this form to the Department of Natural F		f hazardous waste, yo	ou must complete, sig
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OUARTERLY D ANNUAL (NON-GENER.			
(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)		30- 91 (YEAR)	_ or2
SECTION B - GENERATOR IDENTIFICATION	a a Are a rain a general construction and the second	Contract Contraction	3 3 3 3 4 4 5
4 GENERATOR'S NAME	•		OR'S USEPA I.D. NUMBER
• • • • • • • • • • • • • • • • • • • •			•
THE DOE RUN COMPANY		<u> </u>	0 0 6 2 6 6 3 7
E GENERATOR CONTACT PERSON (NAME)	TELEF-ONE NUMBER	7. GENERAT	OR'S MISSOURI I.D. NUMBER
James M. Lanzafame	(314)933-3143		0′0′1′1′7′6
	1 (314)933-3143	STATE	121º CODE
E MAILING ADDRESS	***	31015	71- 6556
881 Main Street	Herculaneum	мо	63048
	#Y	STATE	121- 2008
881 Main STreet	Herculaneum	МО	63048
O NAME OF PARENT FIRM			OFFICE USE ONLY
		•	
The Doe Run Company is a wholly ow	ned subsidiary of Fluor	r Corporation.	
SECTION C-STATUS OF WASTE GENERATED (C	IECK ONE)	医全性性性病 经	SAMA SECTION OF A
SMIPPED OFF-SITE, Complete part 2, attach 22.	•	13. SEPOSTABLE OUAN	TITY GENERATED BUT NO
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ECTION E-CERTIFICATION STATEMENT	The second second second	MERCHANICATE STATES	· · · · · · · · · · · · · · · · · · ·
certify under penalty of law that I have personally exa		oformation submitted	a this and all attached
locuments and that based on my inquiry of those in	ndividuals immediately resoons	ible for obtaining the	information 1 believe
hat the submitted information is true, accurate, and o	omplete, I am/aware that there	are significant penalti-	es for submitting false
nformation, including the possibility of fine and impriso	onment. / /	i i gi inee n peneen	
INT HAME SUNATURE	///	DATE	•
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Gary E. Boyer	1 1/1///	August 8, 1	991
780-1097 (5-90)	\overline{v}		₽~F.~WG-1



MISSOURI DEPART FOR NATURAL RESOURCES - WASTE 1 PAGEMENT PROGRAM P O. BOX 176 JEFFERSON CITY, MISSOURI 65102

	PART II	
C C E	DISCOME	

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET

SECTION F - REPORT IDENTIFICATION SETTION F - REPORT IDENTIFICATION SECTION F - REPORT IDENTIFICATION SECTION F - REPORT IDENTIFICATION SECTION G - FACILITY IDENTIFICATION SECTION G - FACILIT		PLEASE READ INSTRU : on this page must su						ed off-site to	an indiv	ridual	facility	during the
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777 Big Timber Road
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SEE REVERSE SIDE FOR IMPORTANT INFORMATION

्रताम् सारस्य ५ LUCIOUS BOREN 03 314-441-0104 91 - 2638 896 LOR ON FILE 220-2200 PP 5-160-03-7072-1 DOE RUN CO 881 MAIN ST fanzajanie MO 63048 HERCUL AREUM PRICES EFFECTIVE 04/21/91 SALES TAX EXEMPTION NUMBER SERVICE DATE | SALESMAN'S NO. CHAIN CUSTOMER P.O. NUMBER SENERATORICUSTONER PHONE + O.C. SVC P/S | FROD #5 SERVICE TAX C.C.M.S. TAX PRODUCT TA 79-5211 Un NO BIACHMESSERVICE SECTION 25725 527 00th SERVICE TERM STANDE DATE MACHINE NUMBER SERVICE TOTAL REMARKS 0299 5000 P 5 Y 2 HADING CONDITION 27677 FYP 01-55-75 c CONDITION = YP 37650 TES 103<u>-67715</u> DECALS IN PLACE 445 LEGIBLE 63-80165 03-80170 FUSIBLE LINE DISTALLED 3-\$970° EMERGENON CLOSING OF HOUSEDHOUSED FYP $1.2 \pm 3.1 \pm 9.1$ MACHINE PAGRESANT GSCHUCPS STOKE APPIXED TO MADOME SPENT SOLVENT MEET ACCEPTANCE CRITERIA GENERATOR USA EPA ID NO. GENERATOR STATE ID NO. TOTAL SERVICE SECTION <u>ani</u> 001175 <u> 26-250-366</u> QΛ The Bit of the Bit of I certify that my total waste streams are within one CONTAINERS US DOT DESCRIPTION INDLUDING PROPER SHIPPING ILAMS, HAZARD CLASS, AND IDD #5°\$0 X 64 .85 OF GAL WARM PRIVATE NADMINA Computation Liquid UNITED TEAL 2007 DOTE DOZE-TERS FETT FRO WARE COMPOUND CHANNING LIQUID Computer Warmed NALTHOLEEA ROOF ROOF 2004 DOCT DROP DOZE-TERS FED. C ie 225 les impost 220 fps. to 2,200 fps./month RD Wash Compound Charles Light Correshe Marena: NA1760 (EFA DOOR DOOR DOOR DOTE DOOR DOOR, DOOR, DOAR, DOMO, 1880 +60. Greater than 2,200 lbs./month Total Quantity - Number of Drums x Ave. Wt/Drum of: Pails 35.0. . 16 Gal. , 30 Gal. DESIGNATED FACILITY NAME AND ADDRESS: Î USA EPA ID NO. SAFETY-KLEEN CORP. 526 TONNE CT STATE ID NO. HH-0023 63303 CHARLES, MO MSDS SQLD ON PREVIOUS SERVICES PRODUCT NUMBER DESCRIPTION LINE TOTAL 0 בֿ PRIVITED HESELIFED SECTION TOTAL PRODUCT AMOUNTS TOTAL PECEIVED APPLY SAYMENT TO CASH 🔲 CHARGE MY ACCOUNT FOR THIS TRANSACTION
UNITESS CT-EMINISE INDICATED IN THE PAYMENT
RECEIVED SECTION ALSO I HAVE NOTED THE MACHIVE INSPECTION SECTION ABOVE AND THE
PRESENCE OF MACHINE SOLVENT AND TECLAMATION AGREEVENT INFORMATION ON THE REVERSE SIDE THE ABOVE ANDUNIT IS SUBJECT TO
AN INTEREST CHARGE OF THE LESSOR OF VIAENTRY MONTH MARK ANNUAL DRIVE MAXIMUM
THE MAXIMUM THE MAXIMUM
THE ALLOWED BY LAW ON ANY UNITED INVOICES
THAT ARE NOT FAID WITHIN 30 DAYS CHÉCK NUWSER TODAYS SLAVICEISALE TOTAL SERVICE AMOUNT PREMOUS BALANCE AS FOLLOWS (FROM ABOVE) AMOUNT \$. TOTAL DUE **2 TAUQUIA** m the coest or occapit safety pills shall be establed to be problem coests of collection manufaction has some **AMOUNT \$** IN EVENT OF EXERGENCY CALL असंबन्धिक्रिकारस्य बिह्निसरितिक इक्टान्ट्रास 1-BD0-669-5740 or 1-708-888-4660 (24 hours)

TRANSPORT

Eigin, Illinois 60123

SERVICE WEEK SERVEL TERRITORY

NUMBER

was of Facility: DOE RUN CO, HERCULANED	1A SARLTAR QU: 2-13-92
OPI MAIN ST	PHONE H
HERCULANEUM MO 6309	(314) 933 - 3143
19 R R C O E 1 N R O M 1 10 0 3 0	0.000/0//372
: _FRO419 PO. 1.0. 4: PA 1.0.	mo Do 0 6 2 6 6 3 7 3 Rt Classification: R 2
TACTITY REPRESENTATIVES JAMES LANZAFAME	(3/-/ 1-30
Pocific Station: LO Con SO Con	
is a copy of the certification maintained at the facility?	Yeś No
(a this facility meeting the conditions of their certification?	Yes No
if no, please elaborate. RECOSD ON MANIFEST &	LUBRICE 32 1 34 IMPICATED THAT
w ASTA HAD NOT BAAN PROCES	AD W DH URS. AS BARVIERS
BY CARTIFICATION	
Have any major or minor changes been made in the resource recovery operation?	. Yes No
Have the changes be approved?	νΑ _{Υ∞} _{Νο}
Are any major or minor changes planned?	Yes No
Cescribe these changes	
List the wastes that are recovered (Indicate any land-ban wastes):	· · · · · · · · · · · · · · · · · · ·
:. KOG9 (214,660 10 12-31-11 QUARTER)	·
2. DUD 9 RECOVER BUT HAS DET DONE SO.	
if applicable, is the facility in compliance with the land-ben regulations?	Yes No
Does the facility generate, market, or burn hazardous waste fuels?	
If yes, is the facility complying with the hazardous waste fuel regulations?	<u> </u>
· ·	· · · · · · · · · · · · · · · · · · ·
vestes accepted from off-site sources?	Yes Ho
es, please complete Section A. If no, proceed to Section 8.	
A. PARTESTS 10 CR 25-1.010(L10)5.	E. ADDITIONAL OPERATING STANDARDS FOR RE AND PROTESTED 10 CR 25-9,010(1)(E)
3. Shimma from off-site sources maifested	17. Owner/Survice following comment amility control plan
2. Positivate presently combined by the generator	19. Chilly log of hazardone vactor reselved
3. The ever/operator presents dated and planet molf-min	19 Shilly led of investigate and adjutantage
s. Corester's mailtest copy required visite 30 days	20. Facility plans to continue sourseles for the seas 4 continue
5. Penifest discrementer rotal and actions taken to resolve them	21. If sot, facility has provided or vill provide 30 days social of classes or
Feetilise ministers their mailtank deprise for 3 years	semantion of operation
8. RECORDING NO RESERVE to GA 23-9-01011100+. & S.	22. Sections of entire term on tile
4. Facility metalaine a semilate written amounting record to accordance with	Places describe there such as personners of analysis, 2 of shipment analysis, results of
10 CE 25-7-2651211E3E and NO CFE 26-,73151031 and 121	majorie, etc. 401576 11 RABUT 55-60 %
1. Facility has evanistic markerly report from Oct-Marin,	LECED LEDD
10. Unaniform entered presents recorded	F83//
The facility constructed and spareted accoming to plane,	
12. If par, have modifications have approved.	
	
<u> </u>	Please mark boxes as shown
	(V) In compliance
D. 1709ACZ 10 CM 25-5-0101131014, 6 7.	In violation
13. Survey to a more and and continued to the street of th	- M536 D
to. Started of the proper makes sand passants.	11 - 1/1
15. Underground takes and Improviously constructed with a live detection explan., I 1 1 A	Inspector's Signature Mil Ahush H
Describe express of most and product at the facility, condition of containing,	
out, WASTLE 15 PURT AND PROCESS NO	Title
	Office
1M 24 /1R 5	